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# SENATE DOCUMENTS

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# ELECTRIC POWER DEVELOPMENT IN THE UNITED STATES

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## LETTER

FROM THE

SECRETARY OF AGRICULTURE

TRANSMITTING

A REPORT, IN RESPONSE TO A SENATE RESOLUTION OF FEBRU-  
ARY 13, 1915, AS TO THE OWNERSHIP AND CON-  
TROL OF THE WATER-POWER SITES  
IN THE UNITED STATES

---

IN THREE PARTS

PART II



USDA  
LIB

JANUARY 20, 1916.—Referred to the Committee on Printing

USDA  
LIB



**REPORTED BY MR. FLETCHER.**

IN THE SENATE OF THE UNITED STATES,  
*February 8, 1916.*

*Resolved*, That the report entitled Electric power development in the United States and concentration in its ownership and control, transmitted to the Senate by the Secretary of Agriculture on January 20, 1916, in response to Senate resolution No. 544, Sixty-third Congress, be printed as a Senate document, together with accompanying tables and illustrations: *Provided*, That Part I of said report be first printed and furnished to the Senate at the earliest practicable day.

Attest:

JAMES M. BAKER, *Secretary.*



## LETTERS OF TRANSMITTAL.

DEPARTMENT OF AGRICULTURE,  
Washington, January 17, 1916.

SIR: In accordance with the provisions of Senate resolution No. 544, passed by the Sixty-third Congress, third session, I have the honor to transmit herewith the information in my possession as to the ownership and control of the water-power sites in the United States; showing what proportion of such water-power sites is in private ownership and by what companies and corporations such sites in private ownership are owned and controlled; what horsepower has been developed and what proportion of it is owned and controlled by such private companies and corporations; and facts bearing upon the question as to the existence of a monopoly in the ownership and control of hydroelectric power in the United States.

Respectfully,

D. F. HOUSTON, *Secretary.*

The PRESIDENT OF THE SENATE.

DEPARTMENT OF AGRICULTURE,  
FOREST SERVICE,  
Washington, December 21, 1915.

The SECRETARY OF AGRICULTURE.

DEAR MR. SECRETARY: Senate resolution No. 544, passed by the Sixty-third Congress, third session, directed that the Secretary of Agriculture furnish to the Senate certain information in regard to the water-power industry. The resolution reads as follows:

*Resolved*, That the Secretary of Agriculture be, and he is hereby, directed to furnish the Senate with all information in his possession as to the ownership and control of the water-power sites in the United States, showing what proportion of such water-power sites is in private ownership and by what companies and corporations such sites in private ownership are owned and controlled, what horsepower has been developed, and what proportion of it is owned and controlled by such private companies and corporations, and any facts bearing upon the question as to the existence of a monopoly in the ownership and control of hydroelectric power in the United States.

The work of preparing the material called for in this resolution was assigned to Mr. O. C. Merrill, chief engineer of the Forest Service. The information has been brought together by Mr. Merrill in the form of a report which contains, in addition to the text, the data upon which the various conclusions are based. There are, further, various charts and diagrams which illustrate the results of the study in graphic form.

I recommend that this report be transmitted to the Senate.

Very sincerely, yours,

H. S. GRAVES, *Forester.*





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#### LIST OF MAPS.

Maps showing location of developed power plants, hydro and steam, and main transmission lines:

Arizona.....	} In folder in back of Part II.
California.....	
Colorado.....	
Idaho.....	
Montana.....	
Nebraska.....	
Nevada.....	
New Mexico.....	
North Dakota.....	
Oregon.....	
South Dakota.....	
Utah.....	
Washington.....	
Wyoming.....	



## LETTER OF SUBMITTAL.

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DEPARTMENT OF AGRICULTURE,  
FOREST SERVICE,  
*Washington, December 20, 1915.*

SIR: I submit to you herewith a report upon Electric Power Development in the United States and the Movement Toward Concentration of Control, prepared in response to Senate resolution 544, Sixty-third Congress, third session.

This report has been made up from data which have been accumulating for several years in the office of the chief engineer, supplemented by investigations made in the field by district engineers of the Forest Service and by correspondence with officials of power companies, to whom have been submitted for verification the greater part of the data on power development in 1915 as contained in the report.

The report is presented in three parts: Part I, containing the text of the report; Part II, the plates and tables concerning primary power, power generated, and financial statistics, the detailed data of power developments in 1915, the summary tables showing the concentration in control of this power, and maps of fourteen of the public-land States showing the location of all power plants, main transmission systems, and national-forest areas; and Part III, which contains the data concerning the interrelations between public-service holding companies and the relation of these companies to certain banking corporations, diagrams showing the successive steps by which certain holding companies have established their control over operating companies, and charts indicating the relation through directors or principal officers of certain public-utility holding companies with each other.

In submitting this report I wish to express my appreciation of the invaluable assistance given by Mr. T. W. Norcross, assistant chief engineer, who, together with Mr. Frank A. Law, of the Portland office, collected the data and prepared the tables and charts in Part III of the report; by Mr. J. P. Martin, district engineer of the Ogden office, who made the special census of electric power development for 1915; and by Mr. Ralph R. Randell, assistant engineer, who aided in the preparation of all parts of the report, and especially in the computation of the tables and plates of Part II.

Respectfully,

O. C. MERRILL,  
*Chief Engineer.*

H. S. GRAVES, *Forester.*

## ERRATA—PART I.

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Page 25—

Scale of Plate IV should be 50, 100, 150, etc., instead of 5, 10, 15, etc., as printed.

Page 26—

Legend of Plate V should be “Manufactures,” “Central Stations,” “Electric Railways,” instead of “1912,” “1907,” “1902,” as printed.

The following changes are made necessary on account of a duplication of 25,000 horsepower in the figures as originally reported for Minnesota. Totals for the State and for the United States will be reduced by the above amount and percentages as appearing on pages 56, 58, 59, 60, 61, and 62 will be changed by about one-tenth of 1 per cent as follows:

Page 56—

*Minnesota.* Line 1, for 89.9 read 88.8; line 2, for 82.2 read 81.1; line 3, for 71.9 read 68.9; line 4, for 65.4 read 63.1; line 5, for “one-half of 1” read 0.6; line 6, for 5.7 read 6.0.

Page 58—

*United States.* Line 8, for 3,521,423 read 3,496,423; line 10, for 9,796,515 read 9,771,515, and for 65.9 read 65.8; line 15, for 68.6 read 68.5; line 20, for 65.9 read 65.7; line 24, for 72.3 read 72.2.

Page 59—

Line 2, for 51.1 read 51.4; line 5, for 33.7 read 33.9; line 6, for 25.3 read 25.4.

Page 60—

*William P. Bonbright & Co.* Line 5, for 19.2 read 19.3.

*E. W. Clark & Co. Management Corporation.* Line 15, for 18.3 read 18.4.

Page 61—

*Electric Bond & Share Co.* Line 10, for 20.1 read 20.2.

*General Electric Company.* Line 11, for 15.2 read 15.3; line 12, for 14.3 read 14.4; line 29, for 28 read 28.1, and for 21.3 read 21.4.

*Electrical Utilities Co.* Line 6, for 18.8 read 18.9.

*Federal Utilities (Inc.).* Line 12, for 19.8 in each class read water power, 19.9 per cent, steam power 19.8 per cent, and total power 19.8 per cent.

*Middle West Utilities Co.* Line 9, for 19.8 per cent in each class read water power, 10.5 per cent; steam power, 10.3 per cent; total power, 10.3 per cent.

*North American Co.* Line 9, for 10.8 read 10.9; line 11, for 8.9 read 9.0.

*Stone & Webster Management Association.* Line 8, for 29.4 read 29.5.

*United Equities Corporation.* Line 9, for 20.8 read 20.9.

Page 62—

*J. H. White & Co. (Inc.).* Line 7, for 17.7 read 17.8.



REPORT ON ELECTRIC POWER DEVELOPMENT IN THE UNITED STATES AND CONCENTRATION IN ITS OWNERSHIP AND CONTROL.

Part I. Text of report.

Part II. Potential water power resources of the United States; Comparative statistics of primary power, power generated, and finances for 1902, 1907, and 1912; Electric power census for 1915, and statistics of concentration of control; Tables, maps, and diagrams.

Part III. Consolidation of electric power holding companies, and interrelations through common directors or principal officers of such companies with each other and with certain banking corporations; Tables and charts.

PART II.

POTENTIAL WATER POWER RESOURCES OF THE UNITED STATES—COMPARATIVE STATISTICS OF PRIMARY POWER, POWER GENERATED, AND FINANCES FOR 1902, 1907, AND 1912—ELECTRIC POWER CENSUS FOR 1915—STATISTICS OF CONCENTRATION OF CONTROL—TABLES, MAPS, AND DIAGRAMS.

TABLE 1.—LAND OWNED BY UNITED STATES IN STATES HAVING GOVERNMENT LAND SET APART AS NATIONAL FORESTS, UNAPPROPRIATED AND UNRESERVED LAND, AND OTHER LAND OF THE UNITED STATES RESERVED FOR DEFINITE USES JUNE 30, 1914.

1	2	3	4	5	6	7	8	9	10	11
State.	Total land area.	Unappropriated and unreserved land.	National forests.	National parks.	National monuments.	Military reservations.	Game preserves.	Bird preserves.	Carey Act withdrawals.	Power site reserves.
	<i>Acres.</i>	<i>Acres.<sup>a</sup></i>	<i>Acres.<sup>b</sup></i>	<i>Acres.<sup>c</sup></i>	<i>Acres.<sup>c</sup></i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.<sup>c</sup></i>	<i>Acres.<sup>d</sup></i>	<i>Acres.<sup>e e</sup></i>
Arizona.....	72,838,400	36,958,749	12,499,485	480	<i>f</i> 835,245	65,549	<i>g</i> 1,492,928	( <i>h</i> )	.....	190,431
Arkansas.....	33,616,000	368,972	1,208,384	912	.....	1,114	.....	( <i>h</i> )	.....	17,704
California.....	99,617,280	20,902,752	20,339,327	883,755	<i>f i</i> 9,576	6,302	<i>f</i> 884,050	( <i>h</i> )	.....	222,769
Colorado.....	66,341,120	18,890,441	13,402,481	48,966	<i>f</i> 14,183	1,933	<i>f</i> 13,883	.....	912,474	270,390
Florida.....	35,111,040	307,924	299,140	.....	.....	16,193	.....	( <i>h</i> )	.....	.....
Idaho.....	53,346,560	16,342,781	17,712,666	23,000	.....	7,176	<i>f</i> 23,000	( <i>h</i> )	1,608,251	272,759
Kansas.....	52,335,360	102,200	143,143	.....	.....	26,240	.....	.....	.....	.....
Michigan.....	36,787,200	79,316	84,620	.....	.....	3,706	.....	( <i>h</i> )	.....	.....
Minnesota.....	51,749,120	1,082,199	987,377	.....	.....	2,428	.....	.....	.....	11,020
Montana.....	93,568,640	22,237,660	16,272,230	1,113,181	<i>i</i> 165	63,452	1,000,202	( <i>h</i> )	269,981	157,041
Nebraska.....	49,157,120	270,162	198,056	.....	.....	23,789	.....	15,254	.....	761
Nevada.....	70,285,440	55,502,439	5,299,319	.....	.....	.....	.....	248	596,370	19,087
New Mexico.....	78,401,920	30,104,843	8,592,660	.....	<i>f</i> 21,109	140,710	.....	( <i>h</i> )	17,565	13,577
North Dakota.....	44,917,120	672,949	6,894	780	.....	899	<i>k</i> 780	( <i>h</i> )	.....	.....
Oklahoma.....	44,424,960	42,353	61,480	848	.....	77,367	<i>g</i> 57,120	.....	.....	.....
Oregon.....	61,188,480	15,969,846	13,227,412	159,360	<i>f</i> 480	3,939	159,360	( <i>h</i> )	563,089	266,710
South Dakota.....	49,195,520	3,573,269	1,134,133	10,522	<i>f</i> 1,280	35,403	10,522	( <i>h</i> )	.....	.....
Utah.....	52,579,760	33,756,502	7,472,694	.....	18,740	28,648	<i>f</i> 15,840	( <i>h</i> )	464,873	378,147
Washington.....	42,775,040	1,799,774	9,828,826	207,360	<i>f</i> 608,480	21,447	815,840	( <i>h</i> )	.....	97,537
Wyoming.....	62,460,160	31,553,423	8,413,846	<i>l</i> 1,915,520	1,362	68,739	1,917,600	( <i>h</i> )	1,461,650	73,564
Total.....	1,150,696,240	290,527,554	137,184,173	4,364,684	<i>f</i> 1,510,620	595,034	6,391,125	( <i>h</i> )	5,897,253	1,991,497

<sup>a</sup> From Commissioner of Land Office's Report 1914, pp. 76 to 98.  
<sup>b</sup> Includes certain National Forest land which may be entered under act of June 11, 1906, and also includes over 1,500,000 acres in process of elimination from National Forests.  
<sup>c</sup> Figures taken from Secretary of Interior's Annual Report, 1914.  
<sup>d</sup> From Commissioner of General Land Office's Annual Report, 1914, p. 57. Considered as sum of segregations under Carey Act and withdrawals under act of March 15, 1910.  
<sup>e</sup> A considerable portion of the area reserved for power sites is also under withdrawal as a part of a National Forest and listed in column 4.  
<sup>f</sup> Under jurisdiction of Secretary of Agriculture and included in National Forests as follows: Arizona, 807,040; California, 7,200; Colorado, 300; New Mexico, 160; Oregon, 480; South Dakota, 1,280; Washington, 608,480; total, 1,424,940 acres.  
<sup>g</sup> Under jurisdiction of Secretary of Agriculture and included in National Forests.  
<sup>h</sup> Unknown—Included in data under other designations.  
<sup>i</sup> Under jurisdiction of Secretary of War; Montana, 5; California, 1.  
<sup>j</sup> Under jurisdiction of Secretary of the Interior as national monuments.  
<sup>k</sup> Under jurisdiction of Secretary of the Interior as national parks.  
<sup>l</sup> Does not include about 72,700 acres water surface.

TABLE 1.—LAND OWNED BY UNITED STATES IN STATES HAVING GOVERNMENT LAND SET APART AS NATIONAL FORESTS, UNAPPROPRIATED AND UNRESERVED LAND, AND OTHER LAND OF THE UNITED STATES RESERVED FOR DEFINITE USES JUNE 30, 1914—Continued.

State.	12	13	14	15	16	17	18	19	20	21
	Coal land with- drawals.	Oil land with- drawals.	Phosphate land with- drawals.	Potash land with- drawals.	Mineral land reserves.	Public water reserves.	Reservoir reserves.	Reclamation withdrawals.		
								On land reserved as National Forest.	Outside National Forest boundaries.	Total of cols. 19 and 20.
	<i>Acres. a b c</i>	<i>Acres. a b</i>	<i>Acres. a b</i>	<i>Acres. a b</i>	<i>Acres. a</i>	<i>Acres. a</i>	<i>Acres. d</i>	<i>Acres.</i>	<i>Acres. e</i>	<i>Acres. e</i>
Arizona.....	118, 718	230, 400			8, 507	1, 200	23, 040	295, 140	1, 548, 259	1, 843, 399
Arkansas.....										
California.....	17, 764	1, 410, 444		94, 087		43, 524		127, 202	1, 945, 242	2, 072, 444
Colorado.....	4, 746, 663	87, 474				480		36, 837	632, 518	669, 355
Florida.....			120, 377							
Idaho.....	338, 452		1, 001, 276					67, 343	947, 353	1, 014, 696
Kansas.....									34	34
Michigan.....										
Minnesota.....										
Montana.....	14, 203, 365		130, 215				15, 640	52, 933	1, 064, 583	1, 117, 516
Nebraska.....									324, 611	324, 611
Nevada.....	83, 833			131, 582				6, 157	2, 745, 718	2, 751, 875
New Mexico.....	5, 549, 883					1, 440		4, 740	260, 264	265, 004
North Dakota.....	15, 202, 533						1, 569		74, 440	74, 440
Oklahoma.....										
Oregon.....	26, 561					2, 500	10, 619	90, 050	876, 471	966, 521
South Dakota.....							8, 542		245, 620	245, 620
Utah.....	5, 988, 064	c 1, 952, 326	36, 193			32, 707		56, 375	197, 698	254, 073
Washington.....	1, 380, 928						35, 943	84, 608	1, 487, 535	1, 572, 143
Wyoming.....	2, 951, 156	522, 395	1, 553, 988			81, 911		77, 642	643, 088	720, 730
Total.....	50, 607, 920	4, 203, 039	2, 842, 049	225, 669	8, 507	163, 762	95, 353	899, 027	12, 993, 434	13, 892, 461

a Figures taken from Secretary of Interior's Annual Report, 1914.  
b Covers both Government and alienated land within limits of withdrawals.  
c Open to surface entry under homestead, desert-land, and Carey acts, State selections, and isolated tracts.  
d Furnished by Geological Survey.  
e The areas given for land under reclamation withdrawal that lies outside of National Forest boundaries include private land within the boundaries of the withdrawal and may also include land reserved for other purposes, e. g., withdrawals under the act of June 25, 1910. It is also possible that some of the land designated "Unappropriated and unreserved land" is under reclamation withdrawal. Sixteen per cent of the land under reclamation withdrawal that lies within the exterior boundaries of the National Forest does not belong to the United States, therefore it is very possible that the figures given in column 20 for withdrawn land outside National Forest boundaries are at least 16 per cent too large, and the areas in column 21 are also too great. The total would then be 11,813,512 acres instead of 13,892,461.



**TABLE 1.—LAND OWNED BY UNITED STATES IN STATES HAVING GOVERNMENT LAND SET APART AS NATIONAL FORESTS, UNAPPROPRIATED AND UNRESERVED LAND, AND OTHER LAND OF THE UNITED STATES RESERVED FOR DEFINITE USES JUNE 30, 1914—Continued.**

	22	23	24	25	26	27	28	29	30	31	32
State.	Total area to which title of United States is unqualified.				Relation of unappropriated and unreserved land (col. 3) to total land area. <sup>a</sup>	Relation of National Forest area (col. 4) to total land area. <sup>c</sup>	Relation of areas of national parks, monuments, and military reservations to total land area. <sup>d e</sup>	Relation of areas withdrawn for reclamation purposes to total land area. <sup>f</sup>		Area withdrawn for power sites, coal, oil, phosphate, potash, mineral, public water, and reservoirs. <sup>g h</sup>	
	Sum of cols. 3, 4, 5, 6 (in part), 7, 11, 13, (except Utah), 14, 15, 16, 17, 18, and 21.		Sum of cols. 3, 4, 5, 6 (in part), 7, 19, and 84 per cent of col. 20. <sup>a</sup>					Col. 21÷col. 2.	(Col. 19+84 per cent col. 20)÷(col. 2).	Total.	Percent-age of total land area.
	Area. <sup>b a</sup>	Percent-age of total land area.	Area. <sup>b a</sup>	Percent-age of total land area.							
	Acres.		Acres.		Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Acres.	
Arizona.....	51,849,445	71.2	51,148,146	70.2	50.7	17.2	1.2	2.5	2.2	572,296	0.8
Arkansas.....	1,597,086	4.8	1,579,382	4.7	1.1	3.6				17,704	.1
California.....	45,977,780	46.2	43,895,717	44.1	21.0	20.4	.9	2.1	1.8	1,788,588	1.8
Colorado.....	33,394,403	50.3	32,934,856	49.6	28.5	20.2	.1	1.0	.9	5,105,007	7.7
Florida.....	743,634	2.1	623,257	1.8	.9	.9				120,377	.3
Idaho.....	36,371,354	68.2	34,948,742	65.5	30.6	33.2	.1	1.9	1.6	1,612,487	3.0
Kansas.....	271,617	.5	271,612	.5	.2	.3	.1				
Michigan.....	167,642	.5	167,642	.4	.2	.2					
Minnesota.....	2,083,024	4.0	2,072,004	4.0	2.1	1.9				11,020	
Montana.....	41,107,100	43.9	40,633,871	43.4	23.8	17.4	1.3	1.2	1.0	14,506,261	15.5
Nebraska.....	817,379	1.7	764,680	1.6	.6	.4		.7	.6	761	
Nevada.....	63,704,302	90.6	63,114,319	89.8	79.0	7.5		3.9	3.3	234,502	.3
New Mexico.....	39,139,183	49.9	39,082,524	49.8	38.4	11.0	.2	.3	.3	5,564,900	7.1
North Dakota.....	757,531	1.7	744,052	1.7	1.5			.2	.1	15,204,102	33.8
Oklahoma.....	182,048	.4	182,048	.4	.1	.1	.2				
Oregon.....	30,606,907	50.0	30,186,843	49.3	26.1	21.6	.3	1.6	1.4	306,390	.5
South Dakota.....	5,007,489	10.2	4,959,648	10.1	7.3	2.3	.1	.5	.4	8,542	
Utah.....	41,977,704	79.8	41,499,025	78.9	64.2	14.2	.1	.5	.4	8,387,437	16.0
Washington.....	13,563,030	31.7	13,191,544	30.8	4.3	23.0	2.0	3.7	3.1	1,514,408	3.5
Wyoming.....	44,905,478	71.9	42,570,725	68.2	50.5	13.5	3.2	1.2	1.0	5,183,014	8.3
Total.....	454,227,136	39.5	444,570,637	38.6	25.2	11.9	.6	1.2	1.0	60,137,796	5.2

<sup>a</sup> It is not certain that the quantities in column 2 are not to some extent a duplication of quantities in columns 11, 13, 14, 15, 16, 17, and 18. The totals in columns 13, 14, 15, and 21 are too great (see footnote <sup>f</sup> and footnote <sup>b</sup> on p. —). True total for United States land is probably less than the total in column 22 and possibly greater than the total in column 24.

<sup>b</sup> Does not include land entered under various homesteading acts or other acts where the title of the United States is qualified. Does not include Indian lands.

<sup>c</sup> Includes certain National Forest land which may be entered under act of June 11, 1906, and also includes over 1,500,000 acres in process of elimination from National Forests.

<sup>d</sup> Under jurisdiction of Secretary of Agriculture and included in National Forests as follows: Arizona, 807,040; California, 7,200; Colorado, 300; New Mexico, 160; Oregon, 480; South Dakota, 1,280; Washington, 608,480; total, 1,424,940 acres.

<sup>e</sup> Under jurisdiction of Secretary of War: Montana, 5; California, 1.

<sup>f</sup> The areas given for land under reclamation withdrawal that lies outside of National Forest boundaries include private land within the boundaries of the withdrawal, and may also include land reserved for other purposes, e. g., withdrawals under the act of June 25, 1910. It is also possible that some of the land designated "Unappropriated and unreserved land" is under reclamation withdrawal. Sixteen per cent of the land under reclamation withdrawal that lies within the exterior boundaries of the National Forest does not belong to the United States; therefore it is very possible that the figures given in column 20 for withdrawn land outside National Forest boundaries are at least 16 per cent too large, and the areas in column 21 are also too great. The total would then be 11,813,512 acres, instead of 13,892,461.

<sup>g</sup> A considerable portion of the area reserved for power sites is also under withdrawal as a part of a National Forest, and listed in column 4.

<sup>h</sup> See columns 11 to 18, with corresponding footnotes.

TABLE 2.—POTENTIAL WATER-POWER RESOURCES, MINIMUM AND MAXIMUM ESTIMATES, OF THE SEVERAL STATES AND OF THE NATIONAL FORESTS AND PERCENTAGE RELATIONS BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Total potential water power.				Amount within National Forest.				Percentage relation National Forest power to total power.	
		Minimum.		Maximum.		Minimum.		Maximum.			
		Horse-power.	Per cent.	Horse-power.	Per cent.	Horse-power.	Per cent.	Horse-power.	Per cent.	Minimum.	Maximum.
	New England:										
1	Maine.....	443,000	1.59	809,000	1.50						
2	New Hampshire.....	135,000	.48	246,000	.46						
3	Vermont.....	94,000	.33	172,000	.32						
4	Massachusetts.....	118,000	.43	228,000	.42						
5	Rhode Island.....	6,000	.02	13,000	.02						
6	Connecticut.....	72,000	.26	137,000	.26						
	Middle Atlantic:										
7	New York.....	1,037,000	3.71	1,698,000	3.15						
8	New Jersey.....	44,000	.16	106,000	.20						
9	Pennsylvania.....	276,000	.99	684,000	1.27						
	East North Central:										
10	Ohio.....	59,000	.21	178,000	.33						
11	Indiana.....	43,000	.16	118,000	.22						
12	Illinois.....	192,000	.69	345,000	.64						
13	Michigan.....	180,000	.64	293,000	.55	0	0	0	0	0	0
14	Wisconsin.....	358,000	1.28	670,000	1.24						
	West North Central:										
15	Minnesota.....	232,000	.83	494,000	.92	9,400	0.11	20,000	0.12	4.05	4.05
16	Iowa.....	160,000	.57	382,000	.71						
17	Missouri.....	72,000	.26	163,000	.30						
18	North Dakota.....	88,000	.31	207,000	.38						
19	South Dakota.....	43,000	.16	75,000	.14	3,500	.04	6,300	.04	8.14	8.40
20	Nebraska.....	196,000	.70	366,000	.68	0	0	0	0	0	0
21	Kansas.....	111,000	.40	269,000	.50	0	0	0	0	0	0
	South Atlantic:										
22	Delaware.....	5,000	.02	11,000	.02						
23	Maryland and District of Columbia.....	48,000	.17	133,000	.24						
24	Virginia.....	492,000	1.76	870,000	1.61						
25	West Virginia.....	381,000	1.36	1,051,000	1.95						
26	North Carolina.....	578,000	2.07	875,000	1.62						
27	South Carolina.....	460,000	1.64	677,000	1.25						
28	Georgia.....	374,000	1.34	627,000	1.16						
29	Florida.....	8,000	.03	13,000	.02	0	0	0	0	0	
	East South Central:										
30	Kentucky.....	83,000	.30	197,000	.37						
31	Tennessee.....	463,000	1.66	761,000	1.41						
32	Alabama.....	509,000	1.82	943,000	1.74						
33	Mississippi.....	32,000	.11	63,000	.12						
	West South Central:										
34	Arkansas.....	22,000	.08	61,000	.11	5,700	.07	15,400	.09	25.91	25.25
35	Louisiana.....	1,000	.00	2,000	.00						
36	Oklahoma.....	75,000	.27	208,000	.39	500	.00	1,200	.01	.67	.76
37	Texas.....	255,000	.91	551,000	1.02						
	Mountain:										
38	Montana.....	2,749,000	9.84	4,331,000	8.03	1,159,000	13.64	1,871,000	11.09	42.16	43.20
39	Idaho.....	2,362,000	8.45	5,067,000	9.40	1,457,000	17.15	3,036,000	17.99	61.68	59.92
40	Wyoming.....	773,000	2.76	1,305,000	2.42	317,400	3.74	525,800	3.12	41.06	40.29
41	Colorado.....	842,000	3.01	1,697,000	3.15	232,800	2.74	521,200	3.09	27.65	30.71
42	New Mexico.....	160,000	.57	439,000	.81	64,300	.76	147,800	.88	40.19	33.67
43	Arizona.....	893,000	3.20	1,698,000	3.15	563,000	6.62	1,023,400	6.06	63.05	60.27
44	Utah.....	743,000	2.66	1,318,000	2.45	356,000	4.19	630,000	3.73	47.91	47.80
45	Nevada.....	172,000	.62	276,000	.51	14,000	.16	22,400	.13	8.14	8.12
	Pacific:										
46	Washington.....	4,932,000	17.65	8,647,000	16.04	1,147,000	13.50	1,949,000	11.55	23.26	22.54
47	Oregon.....	3,148,000	11.27	6,613,000	12.27	861,000	10.13	1,847,000	10.94	27.35	27.93
48	California.....	3,424,000	12.25	7,818,000	14.50	2,307,000	27.15	5,258,000	31.16	67.38	67.26
49	New England.....	868,000	3.11	1,605,000	2.98						
50	Middle Atlantic.....	1,357,000	4.86	2,488,000	4.62						
51	East North Central.....	832,000	2.98	1,604,000	2.98						
52	West North Central.....	902,000	3.23	1,956,000	3.63	12,900	.15	26,300	.16	1.43	1.34
53	South Atlantic.....	2,346,000	8.39	4,257,000	7.90	0		0	0		
54	East South Central.....	1,087,000	3.89	1,964,000	3.64						
55	West South Central.....	353,000	1.26	822,000	1.52	6,200	.07	16,600	.10	1.76	2.02
56	Mountain.....	8,694,000	31.11	16,131,000	29.92	4,163,500	49.00	7,777,600	46.09	47.89	48.22
57	Pacific.....	11,504,000	41.17	23,078,000	42.81	4,315,000	50.78	9,054,000	53.65	37.51	39.23
	United States.....	27,943,000	100.00	53,905,000	100.00	8,497,600	100.00	16,874,500	100.00	30.41	31.30

NOTE.—These figures are based upon the estimates made by the United States Geological Survey in 1908 for the National Conservation Commission, as revised by the Commissioner of Corporations in his report on "Water power developed in the United States," 1912, with correction for the State of Idaho.



**TABLE 3.—TOTAL PRIMARY POWER, 1912, 1907, AND 1902: STEAM POWER, WATER POWER, AND GAS POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.**

		Water power.			Steam power.			Gas power.			Total power.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:												
2	Maine.....	387,073	283,039	201,743	227,797	183,343	133,377	5,397	5,507	4,838	620,267	471,889	339,958
3	New Hampshire...	203,772	143,120	117,855	188,447	147,547	114,080	4,563	8,748	7,763	396,782	299,415	239,698
4	Vermont.....	120,684	109,151	93,147	86,699	73,873	60,223	3,440	3,332	3,150	210,823	186,359	156,520
5	Massachusetts.....	214,558	203,689	193,484	1,512,737	1,142,224	894,533	53,821	44,928	31,997	1,781,136	1,390,841	1,120,014
6	Rhode Island.....	35,169	32,806	30,732	288,060	215,113	159,297	7,868	7,059	6,087	331,097	254,978	196,116
7	Connecticut.....	98,544	91,067	74,180	449,573	333,094	254,347	23,034	15,571	9,537	571,151	439,732	338,064
8	Middle Atlantic:												
9	New York.....	896,229	731,259	539,275	2,492,527	1,807,804	1,197,827	144,335	133,894	99,731	3,533,091	2,672,957	1,836,633
10	New Jersey.....	22,132	20,878	19,988	880,090	654,924	443,049	37,605	27,485	19,617	939,827	703,287	482,654
11	Pennsylvania.....	190,936	84,852	59,400	3,565,991	2,919,945	2,193,040	233,395	169,210	99,975	3,990,342	3,174,007	2,352,415
12	East North Central:												
13	Ohio.....	25,572	20,211	20,305	2,210,310	1,634,837	1,141,815	161,442	91,455	39,198	2,397,384	1,746,503	1,201,318
14	Indiana.....	30,733	28,216	11,702	796,954	579,956	399,770	165,257	78,163	21,838	992,944	686,335	433,310
15	Illinois.....	53,850	25,258	23,719	1,724,979	1,248,542	845,148	55,539	41,162	31,590	1,834,368	1,314,962	900,457
16	Michigan.....	178,079	126,686	54,302	828,560	584,459	448,493	20,164	15,709	11,560	1,026,803	726,854	514,355
17	Wisconsin.....	234,255	145,366	116,570	590,214	444,414	350,879	34,541	23,305	12,468	859,010	613,085	479,917
18	West North Central:												
19	Minnesota.....	174,537	132,976	49,240	374,148	276,398	198,286	13,401	9,040	6,798	562,086	418,414	254,324
20	Iowa.....	13,368	10,292	9,244	258,666	187,988	153,504	12,857	8,144	6,227	284,891	206,424	168,975
21	Missouri.....	5,647	5,736	4,481	619,715	456,753	311,450	16,594	11,855	8,227	641,956	474,344	324,158
22	North Dakota.....	655	547	496	27,032	19,772	11,373	2,059	1,265	706	29,746	21,584	12,575
23	South Dakota.....	7,774	3,196	1,926	30,524	20,998	12,802	8,439	2,769	1,583	46,737	26,963	16,311
24	Nebraska.....	13,449	10,304	9,158	112,859	78,791	48,332	9,677	4,771	2,706	135,985	93,866	60,196
25	Kansas.....	17,223	15,902	7,969	312,625	179,875	87,995	44,717	20,164	5,938	374,565	215,941	101,902
26	South Atlantic:												
27	Delaware.....	5,970	5,514	5,328	66,232	56,687	45,763	903	924	1,145	73,105	63,125	52,236
28	Maryland and Dis-												
29	trict of Columbia.	16,889	13,651	11,481	416,849	332,485	207,866	9,314	9,339	8,452	443,052	355,475	227,799
30	Virginia.....	123,079	63,947	27,159	361,639	245,394	150,189	5,128	4,521	2,812	489,846	313,862	180,160
31	West Virginia.....	19,181	12,559	6,112	280,622	198,428	130,371	25,906	14,324	5,815	325,709	225,311	142,298
32	North Carolina.....	110,203	49,320	33,596	357,093	256,729	167,729	7,517	3,846	2,212	474,813	309,895	203,537
33	South Carolina.....	221,492	119,007	40,108	266,020	198,915	143,189	6,074	2,569	1,905	493,586	320,491	185,502
34	Georgia.....	111,501	70,702	37,665	359,026	265,614	183,964	10,893	7,256	1,821	481,420	343,572	223,450
35	Florida.....	7,303	1,550	1,517	153,457	90,513	47,912	3,837	2,063	606	164,597	94,126	50,035
36	East South Central:												
37	Kentucky.....	5,841	5,067	4,491	342,099	261,080	189,546	8,092	4,908	2,864	356,032	271,055	196,901
38	Tennessee.....	37,396	11,104	11,047	341,555	261,115	173,704	3,457	2,152	1,414	382,408	274,371	186,195
39	Alabama.....	26,446	19,168	9,479	430,462	354,745	253,208	7,826	4,041	1,464	464,734	377,954	264,151
40	Mississippi.....	335	174	191	298,348	191,513	101,758	1,729	868	307	300,412	192,555	102,256
41	West South Central:												
42	Arkansas.....	3,768	938	871	243,767	168,153	106,397	2,465	1,317	689	250,000	170,408	107,957
43	Louisiana.....	0	151	285	452,665	363,423	249,761	8,894	5,368	2,295	461,559	368,942	252,341
44	Oklahoma.....	2,825	327	128	129,206	69,287	25,486	19,532	5,928	829	151,563	75,542	26,443
45	Texas.....	5,156	4,805	3,093	460,281	296,389	178,619	34,282	13,856	2,195	499,719	315,050	183,907
46	Mountain:												
47	Montana.....	119,300	69,301	34,326	73,533	55,715	41,452	932	426	405	193,765	125,442	76,183
48	Idaho.....	55,054	13,367	5,273	52,284	29,577	12,171	283	248	197	107,621	43,192	17,641
49	Wyoming.....	1,849	1,197	518	18,882	9,325	5,555	113	295	816	20,844	10,817	6,889
50	Colorado.....	83,230	29,153	14,854	246,760	204,860	121,586	1,847	1,906	1,447	331,837	235,919	137,887
51	New Mexico.....	846	617	201	24,219	14,322	6,101	2,055	419	385	27,120	15,358	6,687
52	Arizona.....	9,346	934	320	56,787	34,973	16,498	1,115	1,833	2,120	67,248	37,740	18,938
53	Utah.....	77,532	47,370	21,708	66,263	26,124	13,290	0	641	671	143,795	74,135	35,669
54	Nevada.....	12,709	6,812	2,296	8,808	3,392	1,156	1,266	965	262	22,783	11,169	3,714
55	Pacific:												
56	Washington.....	279,760	67,714	24,089	393,276	263,016	140,110	1,764	1,776	1,218	674,800	332,506	165,417
57	Oregon.....	168,807	138,779	31,296	196,112	114,132	59,404	906	677	475	365,825	253,588	91,175
58	California.....	440,243	216,150	91,656	664,987	397,986	220,937	13,832	27,788	10,111	1,119,062	641,924	322,704
59	New England.....	1,059,800	862,875	711,141	2,753,333	2,095,194	1,615,857	98,123	85,145	63,372	3,911,256	3,043,214	2,390,370
60	Middle Atlantic.....	1,109,317	836,989	618,663	6,938,608	5,382,673	3,833,916	415,335	330,589	219,323	8,463,960	6,550,251	4,671,902
61	East North Central.....	522,489	345,737	226,598	6,151,077	4,492,208	3,186,105	436,943	249,794	116,654	7,110,509	5,087,739	3,529,357
62	West North Central.....	232,633	178,953	82,514	1,735,569	1,220,575	823,742	107,744	58,008	32,185	2,075,996	1,457,536	938,441
63	South Atlantic.....	615,618	336,250	162,966	2,260,938	1,644,765	1,077,283	69,572	44,842	24,768	2,946,128	2,025,857	1,265,017
64	East South Central.....	70,018	35,513	25,208	1,412,464	1,068,453	718,216	21,104	11,969	6,079	1,503,586	1,115,935	749,503
65	West South Central.....	11,749	6,221	4,377	1,285,919	897,252	560,263	65,173	26,469	6,008	1,362,841	929,942	570,648
66	Mountain.....	359,866	168,751	79,496	547,536	378,288	217,809	7,611	6,733	6,303	915,013	553,772	303,608
67	Pacific.....	888,810	422,643	147,041	1,254,375	775,134	420,451	16,502	30,241	11,804	2,159,687	1,228,018	579,296
68	United States...	4,870,320	3,193,932	2,058,004	24,339,819	17,954,542	12,453,642	1,238,107	843,790	486,496	30,448,246	21,992,264	14,998,142

NOTE.—Figures for primary power in manufacturing plants are given in the Census for Manufactures, 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912. The term "Steam power" includes steam engines and steam turbines; "Water power," water wheels, turbines and motors; and "Gas power," internal combustion engines using either gas or oil fuel.



TABLE 4.—TOTAL PRIMARY POWER: INSTALLED CAPACITY, 1912, 1907, AND 1902, COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Commercial and municipal central stations.			Street and electric railways.			Manufacturing plants.			Total.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:												
2	Maine.....	89,683	57,880	24,889	40,090	20,345	13,065	490,494	393,664	302,004	620,267	471,889	339,958
3	New Hampshire..	84,228	46,784	28,096	4,102	3,630	4,015	308,452	249,001	207,587	396,782	299,415	239,698
4	Vermont.....	50,363	38,566	23,857	7,655	5,450	1,151	152,805	142,343	131,512	210,823	186,359	156,520
5	Massachusetts....	350,780	188,335	124,213	272,796	199,087	136,180	1,157,560	1,003,419	859,621	1,781,136	1,390,841	1,120,014
6	Rhode Island.....	50,499	27,986	17,600	44,850	29,085	13,135	235,748	197,907	165,381	331,097	254,978	196,116
7	Connecticut.....	109,691	56,243	28,389	52,395	45,108	31,246	409,065	338,381	278,429	571,151	439,732	338,064
8	Middle Atlantic:												
9	New York.....	1,157,809	722,653	323,413	655,720	417,151	239,770	1,719,562	1,533,153	1,273,650	3,533,091	2,672,957	1,836,833
10	New Jersey.....	239,514	93,602	68,761	29,098	91,935	31,140	671,215	517,750	382,753	939,827	703,287	482,654
11	Pennsylvania....	615,994	302,537	175,510	292,885	299,236	139,155	3,081,463	2,572,234	2,037,750	3,990,342	3,174,007	2,352,415
12	East North Central:												
13	Ohio.....	337,272	179,111	103,745	333,075	236,145	131,350	1,727,037	1,331,247	966,223	2,397,384	1,746,503	1,201,318
14	Indiana.....	185,503	116,828	54,237	121,920	80,139	26,805	685,521	489,368	352,268	992,944	686,335	433,310
15	Illinois.....	645,631	299,246	126,866	174,780	198,246	135,094	1,013,957	817,470	638,497	1,834,368	1,314,962	900,457
16	Michigan.....	377,182	184,207	64,883	68,280	56,845	46,691	581,341	485,802	402,781	1,026,803	726,854	514,355
17	Wisconsin.....	145,411	58,899	35,715	126,652	64,293	40,415	586,947	489,903	403,787	859,010	613,085	479,917
18	West North Central:												
19	Minnesota.....	148,111	121,825	34,823	113,583	51,230	21,555	300,392	245,359	197,946	562,086	418,414	254,324
20	Iowa.....	77,131	46,739	39,504	56,462	32,350	20,075	151,298	127,335	109,396	284,891	206,424	168,975
21	Missouri.....	182,095	111,416	45,318	125,940	91,522	65,105	333,921	271,406	213,735	641,956	474,344	324,158
22	North Dakota....	16,169	10,277	3,930	80	250	0	13,497	11,057	8,645	29,746	21,584	12,575
23	South Dakota....	27,748	12,984	5,057	0	0	0	18,989	13,979	11,254	46,737	26,963	16,311
24	Nebraska.....	52,168	30,020	12,308	19,125	12,032	5,100	64,692	51,764	42,788	135,955	93,866	60,196
25	Kansas.....	98,328	48,374	13,283	12,280	7,985	3,715	263,957	159,582	84,904	374,565	215,941	101,902
26	South Atlantic:												
27	Delaware.....	4,651	7,775	1,585	20,250	7,025	5,800	48,204	48,325	44,851	73,105	63,125	52,236
28	Maryland and District of Columbia	108,427	77,571	28,278	94,441	79,250	38,690	240,184	198,654	160,831	443,052	355,475	227,799
29	Virginia.....	59,585	14,619	5,443	100,904	67,863	16,810	329,357	231,380	157,907	489,846	313,862	180,160
30	West Virginia....	45,185	21,428	10,820	25,740	21,463	12,050	256,784	182,420	119,428	325,709	225,311	142,298
31	North Carolina....	64,983	20,683	6,566	28,730	12,425	7,022	381,100	276,787	189,949	474,813	309,895	203,537
32	South Carolina....	218,496	84,115	21,205	12,110	19,616	5,875	262,980	216,760	158,422	493,586	320,491	185,502
33	Georgia.....	87,951	54,704	12,630	82,881	38,676	28,515	310,588	250,192	182,305	481,420	343,572	223,450
34	Florida.....	33,836	14,370	6,114	17,868	10,913	3,995	112,893	68,843	39,926	164,597	94,126	50,035
35	East South Central:												
36	Kentucky.....	81,767	41,984	21,415	26,460	29,425	16,060	247,805	199,646	159,426	356,032	271,055	196,901
37	Tennessee.....	68,994	28,730	19,003	53,367	39,655	11,482	260,047	205,986	155,710	382,408	274,371	186,195
38	Alabama.....	34,473	26,404	7,620	48,930	26,215	12,350	381,331	325,335	244,181	464,734	377,954	264,151
39	Mississippi.....	30,497	15,522	7,660	9,850	10,864	2,555	260,065	166,169	92,041	300,412	192,555	102,256
40	West South Central:												
41	Arkansas.....	25,860	13,953	8,433	16,744	10,541	2,365	207,396	145,914	97,159	250,000	170,408	107,957
42	Louisiana.....	27,165	23,292	13,767	43,745	43,431	13,550	390,649	302,219	225,024	461,559	368,942	252,341
43	Oklahoma.....	53,922	22,623	4,407	9,675	1,800	0	87,966	51,119	22,036	151,563	75,542	26,443
44	Texas.....	126,616	71,914	34,887	41,072	18,485	7,380	332,031	224,651	141,640	499,719	315,050	183,907
45	Mountain:												
46	Montana.....	115,710	68,817	31,887	1,520	1,150	1,600	76,535	55,475	42,696	193,765	125,442	76,183
47	Idaho.....	56,375	13,694	5,454	0	0	60	51,246	29,498	12,127	107,621	43,192	17,641
48	Wyoming.....	11,596	5,125	3,229	0	0	0	9,248	5,692	3,660	20,844	10,817	6,889
49	Colorado.....	134,004	82,427	38,268	48,532	21,790	10,035	149,301	131,702	89,584	331,837	235,919	137,887
50	New Mexico.....	11,015	4,548	1,780	0	1,180	0	16,105	9,630	4,907	27,120	15,358	6,687
51	Arizona.....	22,075	7,746	2,540	600	0	250	44,573	29,994	16,148	67,248	37,740	18,938
52	Utah.....	60,588	35,950	20,460	41,286	12,190	900	41,921	25,995	14,309	143,795	74,135	35,669
53	Nevada.....	15,420	6,980	1,720	0	0	0	7,363	4,189	1,994	22,783	11,169	3,714
54	Pacific:												
55	Washington.....	95,884	67,224	22,894	245,817	42,437	14,492	333,099	222,845	128,031	674,800	322,506	165,417
56	Oregon.....	46,015	126,815	17,798	109,450	0	4,300	210,360	126,773	69,077	365,825	253,588	91,175
57	California.....	848,248	384,673	134,788	33,311	61,315	38,387	237,503	195,936	149,529	1,119,062	641,924	322,704
58	New England.....	735,244	415,794	247,044	421,883	302,705	198,792	2,754,124	2,324,715	1,944,534	3,911,256	3,043,214	2,390,370
59	Middle Atlantic....	2,013,317	1,118,792	567,684	977,703	808,322	410,065	5,472,240	4,623,137	3,694,153	8,463,260	6,550,251	4,671,902
60	East North Central..	1,690,999	838,281	385,446	824,707	635,668	380,355	4,594,803	3,613,790	2,763,556	7,110,509	5,087,739	3,529,357
61	West North Central..	601,750	381,635	154,223	327,470	195,419	115,550	1,146,746	880,482	668,668	2,075,966	1,457,536	938,441
62	South Atlantic.....	621,114	295,265	92,641	382,924	257,231	118,757	1,942,090	1,473,361	1,053,619	2,946,128	2,025,857	1,265,017
63	East South Central..	215,731	112,640	55,698	138,607	106,159	42,447	1,149,248	897,136	651,358	1,503,586	1,115,935	749,503
64	West South Central..	233,563	131,782	61,494	111,236	74,257	23,295	1,018,042	723,903	485,859	1,362,841	929,942	570,648
65	Mountain.....	426,783	225,287	105,338	91,938	36,310	12,845	396,292	292,175	185,425	915,013	553,772	303,608
66	Pacific.....	990,147	578,712	175,480	388,578	103,752	57,179	780,962	545,554	346,637	2,159,687	1,228,018	579,296
67	United States..	7,528,648	4,098,188	1,845,048	3,665,051	2,519,823	1,359,285	19,254,547	15,374,253	11,793,809	30,448,246	21,992,264	14,998,142

NOTE.—The reduction from 1907 to 1912 in commercial and municipal central stations in the State of Oregon and the marked increase in street and electric railways for the same period in the States of Oregon and Washington arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co., and by the Puget Sound Traction, Light & Power Co., as central stations in 1907 and as electric railway stations in 1912. Both should properly have been classified as central stations in 1912.

Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.



TABLE 5.—TOTAL PRIMARY POWER PER THOUSAND OF POPULATION IN 1912, 1907, AND 1902, IN COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Commercial and municipal central stations.			Street and electric railways.			Manufacturing plants.			Total.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:												
2	Maine.....	119.1	79.4	35.5	53.2	27.9	18.3	651.3	540.1	428.6	823.7	647.6	482.5
3	New Hampshire.....	193.8	110.1	67.6	9.4	8.5	9.7	709.4	585.6	499.5	912.6	704.2	576.8
4	Vermont.....	140.4	109.4	68.9	21.4	15.5	3.3	426.0	403.8	379.9	587.7	528.6	452.1
5	Massachusetts.....	100.5	58.7	42.4	78.1	62.1	46.6	331.5	312.8	294.0	510.2	433.5	383.0
6	Rhode Island.....	88.9	54.8	38.9	78.9	57.0	29.0	415.0	387.7	365.4	582.9	499.5	433.3
7	Connecticut.....	94.4	53.2	29.8	45.1	42.7	32.8	352.3	320.4	292.5	491.9	416.4	355.1
8	Middle Atlantic:												
9	New York.....	121.6	84.1	42.3	68.9	48.6	31.3	180.6	178.5	166.3	371.0	311.1	239.8
10	New Jersey.....	89.2	39.7	34.0	10.8	39.1	15.4	250.2	220.1	189.3	350.2	290.1	238.7
11	Pennsylvania.....	77.3	41.6	26.6	36.8	41.1	21.1	386.7	353.4	309.1	500.8	436.1	351.9
12	East North Central:												
13	Ohio.....	68.8	39.0	24.2	67.9	51.4	30.6	352.3	289.7	225.4	489.0	380.0	280.2
14	Indiana.....	67.6	44.1	21.2	44.5	30.3	10.5	250.0	184.7	137.9	362.1	259.1	169.7
15	Illinois.....	111.0	55.3	25.4	30.0	36.7	27.0	174.2	151.2	127.8	315.2	243.2	180.2
16	Michigan.....	130.2	68.3	25.9	23.6	21.1	18.7	200.7	179.9	160.9	354.5	269.2	205.5
17	Wisconsin.....	60.8	26.1	16.8	52.9	28.5	19.0	245.3	216.9	190.0	358.9	271.4	225.9
18	West North Central:												
19	Minnesota.....	69.0	61.4	19.2	52.9	25.8	11.8	139.8	123.7	108.8	261.6	210.9	139.8
20	Iowa.....	34.7	21.0	17.7	25.4	14.5	9.0	68.1	57.2	49.1	128.1	92.7	75.7
21	Missouri.....	54.6	34.4	14.4	37.8	28.2	20.7	100.2	83.7	67.9	192.6	146.4	103.0
22	North Dakota.....	25.5	20.4	10.5	0.1	0.5	0	21.3	21.9	23.1	46.8	42.8	33.6
23	South Dakota.....	44.4	24.4	11.5	0	0	0	30.4	26.3	25.6	74.8	50.7	37.1
24	Nebraska.....	42.7	26.0	11.3	15.7	10.4	4.7	53.0	44.7	39.1	111.4	81.1	55.1
25	Kansas.....	56.5	29.7	8.7	7.1	4.9	2.5	151.7	98.0	56.0	215.3	132.6	67.2
26	South Atlantic:												
27	Delaware.....	22.6	39.4	8.4	98.2	35.6	30.8	233.6	244.8	238.1	354.3	319.8	277.3
28	Maryland and District of Columbia.....	65.2	49.1	18.8	56.8	50.1	25.8	144.5	125.6	107.2	266.6	224.8	151.9
29	Virginia.....	28.3	7.3	2.8	47.9	33.9	8.9	156.2	115.5	83.2	232.4	156.7	94.9
30	West Virginia.....	33.7	18.7	10.6	20.1	18.7	11.9	200.6	159.0	117.8	254.4	196.4	140.3
31	North Carolina.....	28.5	9.8	3.3	12.6	5.9	3.6	167.5	130.7	96.9	208.6	146.3	103.8
32	South Carolina.....	140.6	57.4	15.4	7.8	13.4	4.3	169.1	147.9	115.0	317.4	218.7	134.7
33	Georgia.....	32.7	21.9	5.5	30.7	15.5	12.4	115.2	100.2	79.3	178.4	137.5	97.2
34	Florida.....	42.1	20.9	10.6	22.3	15.8	6.9	140.6	99.9	69.3	205.1	136.5	86.8
35	East South Central:												
36	Kentucky.....	35.2	18.6	9.9	11.4	13.1	7.4	106.7	88.7	73.2	153.3	120.5	90.5
37	Tennessee.....	31.0	13.4	9.2	24.0	18.5	5.6	117.0	96.3	75.8	172.1	128.3	90.6
38	Alabama.....	15.6	12.9	4.0	22.2	12.8	6.5	172.8	158.6	128.9	210.6	184.3	139.5
39	Mississippi.....	16.5	9.0	4.8	5.3	6.3	1.6	140.4	96.2	57.4	162.2	111.4	63.8
40	West South Central:												
41	Arkansas.....	15.9	9.3	6.2	10.3	7.0	1.7	127.0	97.3	71.1	153.1	113.6	78.9
42	Louisiana.....	15.8	14.7	9.6	25.5	27.5	9.4	227.4	191.4	156.3	268.7	233.7	175.2
43	Oklahoma.....	29.2	16.1	4.6	5.2	1.3	0	47.5	36.2	22.6	81.8	53.5	27.1
44	Texas.....	30.9	19.7	10.8	10.0	5.1	2.3	81.2	61.4	43.9	122.3	86.1	57.0
45	Mountain:												
46	Montana.....	285.2	203.3	117.5	3.7	3.4	5.9	188.7	163.9	157.4	477.6	370.6	280.8
47	Idaho.....	155.6	49.0	27.8	0	0	3	141.5	105.6	61.8	297.1	154.7	89.8
48	Wyoming.....	73.4	39.1	31.1	0	0	0	58.6	43.5	35.3	132.0	82.6	66.5
49	Colorado.....	156.4	113.6	64.4	56.6	30.0	16.9	174.2	181.5	150.7	387.2	325.1	232.0
50	New Mexico.....	30.8	15.7	8.0	0	4.1	0	45.1	33.2	22.0	76.1	52.9	29.9
51	Arizona.....	99.2	42.7	18.1	2.7	0	1.8	200.2	165.4	115.3	302.1	208.1	135.2
52	Utah.....	153.4	96.8	68.8	104.5	35.2	3.0	106.1	75.1	48.2	364.0	214.2	120.1
53	Nevada.....	170.0	98.7	33.9	0	0	0	81.1	59.3	39.3	251.2	157.8	73.5
54	Pacific:												
55	Washington.....	74.7	69.6	35.2	191.7	43.9	22.3	259.8	230.8	197.1	526.4	344.3	254.7
56	Oregon.....	63.0	211.5	38.0	149.8	0	9.2	287.9	211.5	147.5	590.6	423.0	194.8
57	California.....	329.1	181.1	80.6	12.9	28.9	22.9	92.2	92.2	89.4	434.2	302.1	192.9
58	New England.....	108.6	66.2	42.7	62.3	48.2	34.3	406.9	370.1	335.5	577.9	484.6	412.4
59	Middle Atlantic.....	99.8	61.4	34.9	48.4	44.4	25.2	271.1	253.7	227.0	419.3	359.4	287.1
60	East North Central.....	90.1	47.6	23.4	44.0	36.1	23.1	244.9	205.2	167.9	379.0	288.9	214.5
61	West North Central.....	50.5	33.9	14.5	27.5	17.3	10.9	96.1	78.1	63.0	174.0	129.4	88.5
62	South Atlantic.....	49.3	25.2	8.5	30.4	22.0	11.0	154.3	125.9	97.5	234.0	173.1	117.1
63	East South Central.....	25.1	13.8	7.2	16.1	13.0	5.5	133.6	109.9	84.3	174.8	136.6	97.0
64	West South Central.....	25.1	16.2	8.8	12.0	9.1	3.3	109.6	88.8	69.3	146.8	114.0	81.5
65	Mountain.....	149.9	95.4	56.2	32.3	15.4	6.8	139.1	123.7	98.8	321.3	234.4	161.8
66	Pacific.....	215.8	156.8	62.9	84.7	28.1	20.5	170.2	147.9	124.2	470.6	332.8	207.6
67	United States.....	78.9	46.9	23.2	38.4	28.8	17.1	201.6	175.7	148.6	318.8	251.3	188.9

NOTE.—The reduction from 1907 to 1912 in commercial and municipal central stations in the State of Oregon and the marked increase in street and electric railways for the same period in the States of Oregon and Washington arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. and by the Puget Sound Traction, Light & Power Co. as central stations in 1907 and as electric railway stations in 1912. Both should properly have been classified as central stations in 1912.

Figures for primary power in manufacturing plants are given in the Census for Manufactures, 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.



TABLE 6.—WATER POWER; INSTALLED CAPACITY, 1912, 1907, AND 1902, IN COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Commercial and municipal central stations.			Street and electric railways.			Manufacturing plants.			Total.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:												
2	Maine.....	69,938	39,766	13,046	25,564	7,000	3,325	291,571	236,273	185,372	387,073	283,039	201,743
3	New Hampshire.....	56,937	25,404	15,406	2,182	800	0	144,653	116,916	102,449	203,772	143,120	117,855
4	Vermont.....	35,272	28,472	16,296	4,655	2,750	140	80,757	77,932	76,711	120,684	109,154	93,147
5	Massachusetts.....	24,480	16,781	8,933	1,709	1,628	1,732	188,369	185,280	182,819	214,558	203,689	193,484
6	Rhode Island.....	2,440	2,263	1,925	0	0	0	32,729	30,543	28,807	35,169	32,806	30,732
7	Connecticut.....	19,434	18,045	6,565	900	1,938	646	78,210	71,084	66,969	98,544	91,067	74,180
8	Middle Atlantic:												
9	New York.....	512,406	305,950	128,785	18,515	9,485	8,645	365,308	415,824	401,845	896,229	731,259	539,275
10	New Jersey.....	1,569	1,794	1,005	0	0	0	20,563	19,084	18,983	22,132	20,878	19,988
11	Pennsylvania.....	132,293	30,863	6,988	725	625	200	57,938	53,364	52,212	190,956	84,852	59,400
12	East North Central:												
13	Ohio.....	8,860	2,037	1,676	1,830	1,250	600	14,882	16,924	18,029	25,572	20,211	20,305
14	Indiana.....	23,915	19,606	1,105	0	0	0	6,818	8,610	10,597	30,733	28,216	11,702
15	Illinois.....	37,362	10,478	9,505	5,200	1,153	550	11,288	13,627	13,664	53,850	25,258	23,719
16	Michigan.....	125,079	85,738	16,085	9,375	0	0	43,625	40,948	38,217	178,079	126,686	54,302
17	Wisconsin.....	68,766	19,001	7,837	25,518	3,460	3,885	139,971	122,905	104,848	234,255	145,366	116,570
18	West North Central:												
19	Minnesota.....	80,172	71,656	6,040	22,000	10,280	10,280	72,365	51,040	32,920	174,537	132,976	49,240
20	Iowa.....	7,029	3,833	2,399	0	0	0	6,339	6,459	6,845	13,368	10,292	9,244
21	Missouri.....	1,902	2,002	1,000	0	0	0	3,745	3,734	3,481	5,647	5,736	4,481
22	North Dakota.....	0	100	100	0	0	0	655	447	396	655	547	496
23	South Dakota.....	6,913	2,205	845	0	0	0	861	991	1,081	7,774	3,196	1,926
24	Nebraska.....	5,884	2,954	1,820	0	0	0	7,565	7,350	7,338	13,449	10,304	9,158
25	Kansas.....	8,820	8,661	1,034	0	0	0	8,403	7,241	6,935	17,223	15,902	7,969
26	South Atlantic:												
27	Delaware.....	826	285	0	0	0	0	5,144	5,229	5,328	5,970	5,514	5,328
28	Maryland and District of Columbia.....	3,223	1,347	275	0	0	0	13,666	12,304	11,206	16,889	13,651	11,481
29	Virginia.....	44,280	9,551	1,221	22,119	16,925	950	56,680	37,471	24,988	123,079	63,947	27,159
30	West Virginia.....	6,036	3,627	100	0	0	0	13,145	8,932	6,012	19,181	12,559	6,112
31	North Carolina.....	49,951	9,962	1,920	10,200	2,850	2,950	50,052	36,508	28,726	110,203	49,320	33,596
32	South Carolina.....	178,555	75,430	10,415	0	8,040	0	42,937	35,537	29,693	221,492	119,007	40,108
33	Georgia.....	51,957	36,335	6,121	30,530	5,797	5,470	29,014	28,570	26,074	111,501	70,702	37,665
34	Florida.....	5,700	0	0	1,400	1,400	1,400	203	150	117	7,303	1,550	1,517
35	East South Central:												
36	Kentucky.....	0	0	30	0	0	0	5,841	5,067	4,461	5,841	5,067	4,491
37	Tennessee.....	27,750	1,240	619	0	0	0	9,646	9,864	10,428	37,396	11,104	11,047
38	Alabama.....	9,880	7,007	0	0	0	0	16,566	12,161	9,479	26,446	19,168	9,479
39	Mississippi.....	0	0	0	0	0	0	335	174	191	335	174	191
40	West South Central:												
41	Arkansas.....	3,040	300	227	0	0	0	728	638	644	3,768	938	871
42	Louisiana.....	0	0	0	0	0	0	0	151	285	0	151	285
43	Oklahoma.....	2,135	0	0	0	0	0	690	327	128	2,825	327	128
44	Texas.....	3,503	2,762	1,104	0	0	0	1,653	2,043	1,989	5,156	4,805	3,093
45	Mountain:												
46	Montana.....	102,885	56,987	24,000	770	0	250	15,645	12,314	10,076	119,300	69,301	34,326
47	Idaho.....	51,850	11,492	3,924	0	0	60	3,204	1,875	1,289	55,054	13,367	5,273
48	Wyoming.....	1,334	765	75	0	0	0	515	432	443	1,849	1,197	518
49	Colorado.....	77,005	25,580	12,750	5,200	1,880	250	1,025	1,693	1,854	83,230	29,153	14,854
50	New Mexico.....	817	513	50	0	0	0	29	104	151	846	617	201
51	Arizona.....	9,300	750	0	0	0	0	46	184	320	9,346	934	320
52	Utah.....	59,588	34,671	18,410	15,100	9,600	0	2,844	3,099	3,298	77,532	47,370	21,708
53	Nevada.....	12,540	6,260	1,470	0	0	0	169	552	826	12,709	6,812	2,296
54	Pacific:												
55	Washington.....	77,591	56,118	17,238	192,050	4,900	1,325	10,119	6,696	5,526	279,760	67,714	24,089
56	Oregon.....	29,802	102,052	11,195	75,500	0	0	63,505	36,727	20,101	168,807	138,779	31,296
57	California.....	432,062	208,444	78,933	265	200	6,495	7,916	7,506	6,228	440,243	216,150	91,656
58	New England.....	208,501	130,731	62,171	35,010	14,116	5,843	816,289	718,028	643,127	1,059,800	862,875	711,141
59	Middle Atlantic.....	646,268	338,607	136,778	19,240	10,110	8,845	443,809	488,272	473,040	1,109,317	836,989	618,663
60	East North Central.....	263,982	136,860	36,208	41,923	5,863	5,035	216,534	203,014	185,355	522,489	345,737	226,598
61	West North Central.....	110,720	91,411	13,238	22,000	10,280	10,280	99,933	77,262	58,996	232,653	178,953	82,514
62	South Atlantic.....	340,528	136,537	20,052	64,249	35,012	10,770	210,841	164,701	132,144	615,618	336,250	162,966
63	East South Central.....	37,630	8,247	649	0	0	0	32,388	27,266	24,559	70,018	35,513	25,208
64	West South Central.....	8,678	3,062	1,331	0	0	0	3,071	3,159	3,046	11,749	6,221	4,377
65	Mountain.....	315,319	137,018	60,679	21,070	11,480	560	23,477	20,253	18,257	359,866	168,751	79,496
66	Pacific.....	539,455	366,614	107,366	267,815	5,100	7,820	81,540	50,929	31,855	888,810	422,643	147,041
67	United States.....	2,471,081	1,349,087	438,472	471,307	91,961	49,153	1,927,932	1,752,884	1,570,379	4,870,320	3,193,932	2,058,004

NOTE.—The reduction from 1907 to 1912 in commercial and municipal central stations in the State of Oregon and the marked increase in street and electric railways for the same period in the States of Oregon and Washington arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. and by the Puget Sound Traction, Light & Power Co. as central stations in 1907 and as electric railway stations in 1912. Both should properly have been classified as central stations in 1912.

Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.



TABLE 7.—WATER POWER: INSTALLED CAPACITY PER THOUSAND OF POPULATION IN 1912, 1907, AND 1902, IN COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Commercial and municipal central stations.			Street and electric railways.			Manufacturing plants.			Total.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
	New England:												
1	Maine.....	92.9	54.6	18.5	33.9	9.6	4.7	387.2	324.2	263.1	514.0	388.4	286.3
2	New Hampshire.....	131.0	59.8	37.1	5.0	1.9	0	332.7	274.9	246.5	468.7	336.6	283.6
3	Vermont.....	98.3	80.8	47.1	13.0	7.8	.4	225.1	221.0	221.6	336.4	309.6	269.1
4	Massachusetts.....	7.0	5.2	3.1	.5	.5	.6	54.0	57.8	62.5	61.5	63.5	66.2
5	Rhode Island.....	4.3	4.4	4.2	0	0	0	57.6	59.9	63.7	61.9	64.3	67.9
6	Connecticut.....	16.7	17.1	6.9	.8	1.8	.7	67.4	67.3	70.3	84.9	86.2	77.9
	Middle Atlantic:												
7	New York.....	53.8	35.6	16.8	1.9	1.1	1.1	38.4	48.4	52.5	94.1	85.1	70.4
8	New Jersey.....	.6	.8	.5	0	0	0	7.6	8.1	9.4	8.2	8.9	9.9
9	Pennsylvania.....	16.6	4.2	1.1	.1	.1	0	7.3	7.4	7.9	24.0	11.7	9.0
	East North Central:												
10	Ohio.....	1.8	.4	.4	.4	.3	.1	3.0	3.7	4.2	5.2	4.4	4.7
11	Indiana.....	8.7	7.4	.4	0	0	0	2.5	3.3	4.2	11.2	10.7	4.6
12	Illinois.....	6.4	1.9	1.9	.9	.2	.1	2.0	2.6	2.7	9.3	4.7	4.7
13	Michigan.....	43.2	31.8	6.4	3.2	0	0	15.1	15.1	15.3	61.5	46.9	21.7
14	Wisconsin.....	28.7	8.4	3.7	10.7	1.5	1.8	58.5	54.5	49.4	97.9	64.4	54.9
	West North Central:												
15	Minnesota.....	37.3	36.1	3.3	10.2	5.2	5.6	33.7	25.7	18.2	81.2	67.0	27.1
16	Iowa.....	3.2	1.7	1.1	0	0	0	2.8	2.9	3.0	6.0	4.6	4.1
17	Missouri.....	.6	.6	.3	0	0	0	1.1	1.2	1.1	1.7	1.8	1.4
18	North Dakota.....	0	.2	.3	0	0	0	1.0	.9	1.0	1.0	1.1	1.3
19	South Dakota.....	11.1	4.1	1.9	0	0	0	1.3	1.9	2.5	12.4	6.0	4.4
20	Nebraska.....	4.8	2.6	1.7	0	0	0	6.2	6.3	6.7	11.0	8.9	8.4
21	Kansas.....	5.1	5.3	.7	0	0	0	4.8	4.5	4.6	9.9	9.8	5.3
	South Atlantic:												
22	Delaware.....	4.0	1.4	0	0	0	0	24.9	26.5	28.3	28.9	27.9	28.3
23	Maryland and District of Columbia.....	1.9	.8	.2	0	0	0	8.3	7.8	7.5	10.2	8.6	7.7
24	Virginia.....	21.0	4.8	.6	10.5	8.4	.5	26.9	18.7	13.2	58.4	31.9	14.3
25	West Virginia.....	4.7	3.2	.1	0	0	0	10.3	7.7	5.9	15.0	10.9	6.0
26	North Carolina.....	22.0	4.7	1.0	4.5	1.4	1.5	21.9	17.2	14.6	48.4	23.3	17.1
27	South Carolina.....	114.8	51.4	7.6	0	5.5	0	27.6	24.3	21.5	142.4	81.2	29.1
28	Georgia.....	19.3	14.5	2.7	11.3	2.3	2.4	10.7	11.5	11.3	41.3	28.3	16.4
29	Florida.....	7.1	0	0	1.7	2.0	2.4	.3	.2	.2	9.1	2.2	2.6
	East South Central:												
30	Kentucky.....	0	0	0	0	0	0	2.5	2.3	2.1	2.5	2.3	2.1
31	Tennessee.....	12.5	.6	.3	0	0	0	4.3	4.6	5.1	16.8	5.2	5.4
32	Alabama.....	4.5	3.4	0	0	0	0	7.5	5.9	5.0	12.0	9.3	5.0
33	Mississippi.....	0	0	0	0	0	0	.2	.1	.1	.2	.1	.1
	West South Central:												
34	Arkansas.....	1.9	.2	.2	0	0	0	.4	.4	.4	2.3	.6	.6
35	Louisiana.....	0	0	0	0	0	0	0	.1	.2	0	.1	.2
36	Oklahoma.....	1.2	0	0	0	0	0	.3	.2	.1	1.5	.2	.1
37	Texas.....	.9	.8	.3	0	0	0	.4	.5	.7	1.3	1.3	1.0
	Mountain:												
38	Montana.....	253.6	168.4	88.5	1.9	0	.9	38.6	36.3	37.1	294.1	204.7	126.5
39	Idaho.....	143.2	41.2	20.0	0	0	.3	8.8	6.7	6.5	152.0	47.9	26.8
40	Wyoming.....	8.4	5.8	.7	0	0	0	3.3	3.4	4.3	11.7	9.2	5.0
41	Colorado.....	89.8	35.2	21.4	6.1	2.6	.4	1.2	2.4	3.2	97.1	40.2	25.0
42	New Mexico.....	2.3	1.8	.2	0	0	0	.1	.3	.7	2.4	2.1	.9
43	Arizona.....	41.8	4.1	0	0	0	0	.2	1.0	2.3	42.0	5.1	2.3
44	Utah.....	150.9	100.2	62.0	38.2	27.8	0	7.2	8.9	11.1	196.3	136.9	73.1
45	Nevada.....	138.2	88.5	29.0	0	0	0	1.9	7.8	16.4	140.1	96.3	45.4
	Pacific:												
46	Washington.....	60.5	58.1	26.5	149.8	5.1	2.0	7.9	6.9	8.6	218.2	70.1	37.1
47	Oregon.....	40.8	170.2	23.9	103.3	0	0	86.9	61.3	43.0	231.0	231.5	66.9
48	California.....	167.6	98.1	47.2	.1	.1	3.9	3.1	3.5	3.7	170.8	101.7	54.8
	New England.....	30.8	20.8	10.7	5.2	2.2	1.0	120.6	114.4	111.0	156.6	137.4	122.7
49	Middle Atlantic.....	32.0	18.6	8.4	1.0	.6	.5	21.9	26.7	29.1	54.9	45.9	38.0
50	East North Central.....	14.1	7.8	2.2	2.2	.3	.3	11.5	11.5	11.3	27.8	19.6	13.8
51	West North Central.....	9.3	8.1	1.2	1.8	.9	1.0	8.4	6.9	5.6	19.5	15.9	7.8
52	South Atlantic.....	27.0	11.7	1.8	5.1	3.0	1.0	16.8	14.0	12.3	48.9	28.7	15.1
53	East South Central.....	4.4	1.0	.1	0	0	0	3.7	3.3	3.2	8.1	4.3	3.3
54	West South Central.....	.9	.4	.2	0	0	0	.4	.3	.4	1.3	.7	.6
55	Mountain.....	110.7	58.0	32.3	7.4	4.9	.3	8.3	8.5	9.8	126.4	71.4	42.4
56	Pacific.....	117.6	99.4	38.5	58.4	1.4	2.8	17.7	13.7	11.4	193.7	114.5	52.7
57	United States.....	25.9	15.4	5.5	4.9	1.0	.6	20.2	20.1	19.8	51.0	36.5	25.9

NOTE.—The reduction from 1907 to 1912 in commercial and municipal central stations in the State of Oregon and the marked increase in street and electric railways for the same period in the States of Oregon and Washington arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. and by the Puget Sound Traction, Light & Power Co. as central stations in 1907 and as electric railway stations in 1912. Both should properly have been classified as central stations in 1912.

Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.



TABLE 8.—STEAM POWER: INSTALLED CAPACITY, 1912, 1907, AND 1902, IN COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Commercial and municipal central stations.			Street and electric railways.			Manufacturing plants			Total.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
	New England:												
1	Maine.....	19,610	18,114	11,843	14,526	13,345	9,740	193,661	151,884	111,794	227,797	183,343	133,377
2	New Hampshire.....	25,386	20,265	12,640	1,920	2,830	4,015	161,141	124,452	97,425	188,447	147,547	114,080
3	Vermont.....	14,996	9,889	7,436	3,000	2,700	1,011	68,703	61,284	51,776	86,639	73,873	60,223
4	Massachusetts.....	323,128	170,457	115,195	268,387	194,759	134,448	921,242	777,008	644,890	1,512,757	1,142,224	894,533
5	Rhode Island.....	46,934	24,723	15,675	44,850	29,085	13,135	196,276	161,305	130,487	288,060	215,113	159,297
6	Connecticut.....	89,372	37,492	21,418	51,495	43,170	30,600	308,706	252,432	202,329	449,573	333,094	254,347
	Middle Atlantic:												
7	New York.....	638,932	413,388	192,623	634,490	405,691	231,025	1,219,105	988,725	774,179	2,492,527	1,807,804	1,197,827
8	New Jersey.....	235,585	90,480	67,325	29,098	91,935	31,140	615,407	472,509	344,584	880,090	654,924	443,049
9	Pennsylvania.....	465,968	264,205	166,739	287,500	295,561	137,955	2,812,523	2,360,179	1,888,346	3,565,991	2,919,945	2,193,040
	East North Central:												
10	Ohio.....	317,160	171,446	101,314	330,995	234,645	130,500	1,562,215	1,228,746	910,001	2,210,370	1,634,837	1,141,815
11	Indiana.....	159,888	95,927	52,035	121,580	80,139	26,805	515,486	403,890	320,930	796,954	579,956	399,770
12	Illinois.....	605,227	287,898	117,069	169,580	197,093	134,144	950,172	763,551	593,935	1,724,979	1,248,542	845,148
13	Michigan.....	250,477	97,866	48,614	58,905	56,845	46,691	519,178	429,748	353,188	828,560	584,459	448,493
14	Wisconsin.....	72,145	37,809	26,968	97,134	58,833	36,530	420,935	347,772	287,381	590,214	444,414	350,879
	West North Central:												
15	Minnesota.....	63,184	48,741	23,118	91,583	40,950	11,275	219,381	186,707	158,893	374,148	276,398	198,286
16	Iowa.....	67,444	42,342	36,705	56,462	32,350	20,075	134,760	113,296	96,724	258,666	187,988	153,504
17	Missouri.....	177,721	108,451	44,307	125,940	91,522	65,105	316,054	256,780	202,038	619,715	456,753	311,450
18	North Dakota.....	15,851	9,972	3,830	80	250	0	11,101	9,550	7,543	27,032	19,772	11,373
19	South Dakota.....	16,003	10,251	4,010	0	0	0	14,521	10,747	8,792	30,524	20,998	12,802
20	Nebraska.....	42,452	26,221	10,406	19,125	12,082	5,100	51,282	40,488	32,826	112,859	78,791	48,332
21	Kansas.....	82,372	38,035	12,249	8,705	6,860	3,715	221,548	134,980	72,031	312,625	179,875	87,995
	South Atlantic:												
22	Delaware.....	3,575	7,490	1,585	20,250	7,025	5,800	42,407	42,172	38,378	66,232	56,687	45,763
23	Maryland and District of Columbia.....	104,381	76,094	27,923	94,441	79,250	38,690	218,027	177,141	141,253	416,849	332,485	207,866
24	Virginia.....	15,120	5,008	4,222	78,785	50,038	15,860	267,734	190,348	130,107	361,639	245,394	150,189
25	West Virginia.....	34,064	16,876	10,100	25,740	21,113	12,050	220,818	160,439	108,221	280,622	198,428	130,371
26	North Carolina.....	14,952	10,721	4,646	16,930	9,575	4,072	325,211	236,433	159,011	357,093	256,729	167,729
27	South Carolina.....	39,486	8,535	10,790	12,110	11,576	5,875	214,424	178,804	126,824	266,020	198,915	143,489
28	Georgia.....	35,274	18,229	6,509	49,351	29,879	23,045	274,401	217,506	154,410	359,026	265,614	183,964
29	Florida.....	27,636	14,330	6,114	15,793	8,688	2,595	110,028	67,495	39,203	153,457	90,513	47,912
	East South Central:												
30	Kentucky.....	81,191	41,969	21,340	26,460	29,425	16,060	234,448	189,686	152,146	342,099	261,080	189,546
31	Tennessee.....	40,799	27,990	18,384	53,367	39,655	11,482	247,389	193,970	143,838	341,555	261,115	173,704
32	Alabama.....	24,574	19,377	7,595	48,930	26,215	12,350	356,958	309,153	233,263	430,462	354,745	253,208
33	Mississippi.....	30,457	15,497	7,660	9,850	10,864	2,555	258,041	165,152	91,543	298,348	191,513	101,758
	West South Central:												
34	Arkansas.....	22,599	13,641	8,206	16,744	10,541	2,365	204,424	143,971	95,826	243,767	168,153	106,397
35	Louisiana.....	26,175	22,872	13,767	43,745	43,431	13,550	382,745	297,120	222,444	452,665	363,423	249,761
36	Oklahoma.....	45,821	22,423	4,407	9,375	1,800	0	74,010	45,064	21,079	129,206	69,287	25,486
37	Texas.....	113,611	66,094	33,675	40,697	18,485	7,380	305,973	211,810	137,564	460,281	296,389	178,619
	Mountain:												
38	Montana.....	12,750	11,830	7,885	750	1,150	1,350	60,033	42,735	32,217	73,533	55,715	41,452
39	Idaho.....	4,525	2,202	1,480	0	0	0	47,759	27,375	10,691	52,284	29,577	12,171
40	Wyoming.....	10,162	4,360	2,654	0	0	0	8,720	4,965	2,901	18,882	9,325	5,555
41	Colorado.....	56,919	56,547	25,518	43,332	19,910	9,785	146,509	128,403	86,233	246,760	204,860	121,586
42	New Mexico.....	8,428	4,035	1,730	0	1,180	0	15,791	9,107	4,371	24,219	14,322	6,101
43	Arizona.....	12,775	6,926	1,890	600	0	250	43,412	28,047	14,358	56,787	34,973	16,498
44	Utah.....	1,000	1,279	2,050	26,186	2,590	900	39,077	22,255	10,340	66,263	26,124	13,290
45	Nevada.....	2,210	235	250	0	0	0	6,598	3,157	906	8,808	3,392	1,156
	Pacific:												
46	Washington.....	18,128	11,016	5,656	53,767	37,537	13,167	321,381	214,463	121,287	393,276	263,016	140,110
47	Oregon.....	15,879	24,581	6,603	33,950	0	4,300	146,283	89,551	48,501	196,112	114,132	59,404
48	California.....	414,206	159,644	55,237	33,046	60,955	31,717	217,735	177,387	133,983	664,987	397,986	220,937
49	New England.....	519,426	280,940	184,207	384,178	285,889	192,949	1,849,729	1,528,365	1,238,701	2,753,333	2,095,194	1,615,857
50	Middle Atlantic.....	1,340,485	768,073	426,687	951,088	793,187	400,120	4,647,035	3,821,413	3,007,109	6,938,608	5,382,673	3,833,916
51	East North Central.....	1,404,897	690,946	346,000	778,194	627,555	374,670	3,967,986	3,173,707	2,465,435	6,151,077	4,492,208	3,186,105
52	West North Central.....	465,027	284,013	139,625	301,895	184,014	105,270	968,647	752,548	578,847	1,735,569	1,220,575	823,742
53	South Atlantic.....	274,488	157,283	71,889	313,400	217,144	107,987	1,673,050	1,270,338	897,407	2,260,938	1,644,765	1,077,283
54	East South Central.....	177,021	104,333	54,979	138,607	106,159	42,447	1,096,836	857,961	620,790	1,412,464	1,068,453	718,216
55	West South Central.....	208,206	125,030	60,055	110,561	74,257	23,295	967,152	697,965	476,913	1,285,919	897,252	560,263
56	Mountain.....	108,769	87,414	43,457	70,868	24,830	12,285	367,899	266,044	162,067	547,536	378,288	217,809
57	Pacific.....	448,213	195,241	67,496	120,763	98,492	49,184	685,399	481,401	303,771	1,254,375	775,134	420,451
	United States.....	4,946,532	2,693,273	1,394,395	3,169,554	2,411,527	1,308,207	16,223,733	12,849,742	9,751,040	24,339,819	17,954,542	12,453,642

NOTE.—Figures for primary power in manufacturing plants are given in the Census of Manufactures, 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.



TABLE 9.—STEAM POWER: INSTALLED CAPACITY PER THOUSAND OF POPULATION IN 1912, 1907, AND 1902, IN COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Commercial and municipal central stations.			Street and electric railways.			Manufacturing plants.			Total.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
	New England:												
1	Maine.....	26.0	24.9	16.8	19.3	18.3	13.8	257.2	208.4	158.7	302.5	251.6	189.3
2	New Hampshire.....	58.4	47.6	30.4	4.4	6.7	9.7	370.6	292.7	234.4	433.4	347.0	274.5
3	Vermont.....	41.8	28.0	21.5	8.4	7.7	2.9	191.5	173.9	149.5	241.7	209.6	173.9
4	Massachusetts.....	92.5	53.1	39.4	76.9	60.7	46.0	263.9	242.2	220.5	433.3	356.0	305.9
5	Rhode Island.....	82.7	48.4	34.7	78.9	57.0	29.0	345.5	316.0	288.3	507.1	421.4	352.0
6	Connecticut.....	76.9	35.5	22.5	44.4	40.9	32.1	265.9	239.0	212.6	387.2	315.4	267.2
	Middle Atlantic:												
7	New York.....	67.1	48.1	25.1	66.6	47.2	30.2	128.0	115.1	101.1	261.7	210.4	156.4
8	New Jersey.....	87.8	38.5	33.3	10.8	39.1	15.4	229.4	200.9	170.4	328.0	278.5	219.1
9	Pennsylvania.....	58.5	36.3	25.3	36.1	40.6	20.9	352.9	324.3	286.5	447.5	401.2	332.7
	East North Central:												
10	Ohio.....	64.7	37.3	23.7	67.5	51.1	30.4	318.7	267.3	212.3	450.9	355.7	266.4
11	Indiana.....	58.4	36.2	20.4	44.3	30.3	10.5	187.9	152.4	125.6	290.6	218.9	156.5
12	Illinois.....	104.0	53.3	23.4	29.1	36.4	26.9	163.3	141.2	118.9	296.4	230.9	169.2
13	Michigan.....	86.5	36.2	19.4	20.3	21.1	18.7	179.2	159.2	141.1	286.0	216.5	179.2
14	Wisconsin.....	30.1	16.8	12.7	40.6	26.0	17.2	175.9	153.9	135.2	246.6	196.7	165.1
	West North Central:												
15	Minnesota.....	29.4	24.6	15.4	42.6	20.6	6.2	102.2	94.1	87.4	174.2	139.3	109.0
16	Iowa.....	30.3	19.0	16.5	25.4	14.5	9.0	60.6	50.9	43.3	116.3	84.4	68.8
17	Missouri.....	53.3	33.5	14.1	37.8	28.2	20.7	94.8	79.2	64.2	185.9	140.9	99.0
18	North Dakota.....	25.0	19.8	10.3	.1	.5	0	17.5	18.9	20.1	42.6	39.2	30.4
19	South Dakota.....	25.6	19.3	9.1	0	0	0	23.3	20.2	20.0	48.9	39.5	29.1
20	Nebraska.....	34.8	22.7	9.5	15.7	10.4	4.7	42.0	35.0	30.0	92.5	68.1	44.2
21	Kansas.....	47.3	23.4	8.1	5.0	4.2	2.4	127.4	82.8	47.5	179.7	110.4	58.0
	South Atlantic:												
22	Delaware.....	17.3	37.9	8.4	98.2	35.6	30.8	205.5	213.7	203.7	321.0	287.2	242.9
23	Maryland and District of Columbia.....	62.8	48.2	18.6	56.8	50.1	25.8	131.2	112.0	94.2	250.8	210.3	138.6
24	Virginia.....	7.1	2.5	2.2	37.4	25.0	8.4	127.1	95.0	68.5	171.6	122.5	79.1
25	West Virginia.....	26.6	14.7	9.9	20.1	18.4	11.9	172.5	139.9	106.8	219.2	173.0	128.6
26	North Carolina.....	6.6	5.1	2.3	7.4	4.5	2.1	142.9	111.6	81.2	156.9	121.2	85.6
27	South Carolina.....	25.4	5.8	7.8	7.8	7.9	4.3	137.9	122.0	92.1	171.1	135.7	104.2
28	Georgia.....	13.1	7.3	2.9	18.3	12.0	10.0	101.7	87.0	67.1	133.1	106.3	80.0
29	Florida.....	34.4	20.8	10.6	19.7	12.6	4.5	137.1	97.9	68.1	191.2	131.3	83.2
	East South Central:												
30	Kentucky.....	35.0	18.6	9.8	11.4	13.1	7.4	100.9	84.3	69.9	147.3	116.0	87.1
31	Tennessee.....	18.4	12.9	8.9	24.0	18.5	5.6	111.3	90.7	70.0	153.7	122.1	84.5
32	Alabama.....	11.1	9.4	4.0	22.2	12.8	6.5	161.7	150.8	123.2	195.0	173.0	133.7
33	Mississippi.....	16.5	9.0	4.8	5.3	6.3	1.6	139.3	95.5	57.1	161.1	110.8	63.5
	West South Central:												
34	Arkansas.....	13.8	9.1	6.0	10.3	7.0	1.7	125.2	96.0	70.1	149.3	112.1	77.8
35	Louisiana.....	15.2	14.5	9.6	25.5	27.5	9.4	222.8	188.2	154.4	263.5	230.2	173.4
36	Oklahoma.....	24.7	15.9	4.5	5.1	1.3	0	40.0	31.9	21.7	69.8	49.1	26.2
37	Texas.....	27.8	18.0	10.4	10.0	5.1	2.3	74.8	57.9	42.6	112.6	81.0	55.3
	Mountain:												
38	Montana.....	31.5	34.9	29.0	1.8	3.4	5.0	147.9	126.3	118.8	181.2	164.6	152.8
39	Idaho.....	12.5	7.9	7.5	0	0	0	131.8	98.0	54.5	144.3	105.9	62.0
40	Wyoming.....	64.3	33.3	25.6	0	0	0	55.3	37.9	28.0	119.6	71.2	53.6
41	Colorado.....	66.4	78.0	42.9	50.6	27.4	16.5	170.9	176.9	145.2	287.9	282.3	204.6
42	New Mexico.....	23.6	13.9	7.8	0	4.1	0	44.3	31.4	19.5	67.9	49.4	27.3
43	Arizona.....	57.4	38.2	13.5	2.7	0	1.8	195.0	154.7	102.5	255.1	192.9	117.8
44	Utah.....	2.5	3.7	6.9	66.3	7.5	3.0	98.9	64.3	34.8	167.7	75.5	44.7
45	Nevada.....	24.4	3.3	4.9	0	0	0	72.7	44.6	18.0	97.1	47.9	22.9
	Pacific:												
46	Washington.....	14.2	11.4	8.7	41.9	38.9	20.3	250.7	222.1	186.7	306.8	272.4	215.7
47	Oregon.....	21.7	41.0	14.1	46.5	0	9.2	200.2	149.4	103.6	268.4	190.4	126.9
48	California.....	160.7	75.1	33.0	12.8	28.7	19.0	84.5	83.5	80.1	258.0	187.3	132.1
49	New England.....	76.7	44.7	31.8	56.8	45.5	33.3	273.3	243.4	213.7	406.8	333.6	278.8
50	Middle Atlantic.....	66.4	42.2	26.2	47.1	43.5	24.6	230.3	209.7	184.8	343.8	295.4	235.6
51	East North Central.....	74.9	39.3	21.0	41.5	35.6	22.8	211.5	180.2	149.8	327.9	255.1	193.6
52	West North Central.....	39.0	25.2	13.2	25.3	16.3	9.9	81.2	66.8	54.5	145.5	108.3	77.6
53	South Atlantic.....	21.8	13.4	6.6	24.9	18.6	10.0	132.9	108.6	83.1	179.6	140.6	99.7
54	East South Central.....	20.6	12.8	7.1	16.1	13.0	5.5	127.5	105.0	80.3	164.2	130.8	92.9
55	West South Central.....	22.4	15.4	8.6	11.9	9.1	3.3	104.2	85.6	68.1	138.5	110.1	80.0
56	Mountain.....	38.2	37.0	23.2	24.9	10.5	6.5	129.1	112.7	86.3	192.2	160.2	116.0
57	Pacific.....	97.7	52.9	24.2	26.3	26.7	17.6	149.3	130.5	108.9	273.3	210.1	150.7
	United States.....	51.8	30.7	17.6	33.2	27.6	16.5	169.8	146.9	122.8	254.8	205.2	156.9

NOTE.—Figures for primary power in manufacturing plants are given in the Census for Manufactures, 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.

TABLE 10.—GAS AND OIL ENGINES: INSTALLED CAPACITY, 1912, 1907, AND 1902, IN COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Commercial and municipal central stations.			Street and electric railways.			Manufacturing plants.			Total.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
	New England:												
1	Maine.....	135	0	0	0	0	0	5,262	5,507	4,838	5,397	5,507	4,838
2	New Hampshire.....	1,905	1,115	50	0	0	0	2,658	7,633	7,713	4,563	8,748	7,763
3	Vermont.....	95	205	125	0	0	0	3,345	3,127	3,025	3,440	3,332	3,150
4	Massachusetts.....	3,172	1,097	85	2,700	2,700	0	47,949	41,131	31,912	53,821	44,928	31,997
5	Rhode Island.....	1,125	1,000	0	0	0	0	6,743	6,059	6,087	7,868	7,059	6,087
6	Connecticut.....	885	706	406	0	0	0	22,149	14,865	9,131	23,034	15,571	9,537
	Middle Atlantic:												
7	New York.....	6,471	3,315	2,005	2,715	1,975	100	135,149	128,604	97,625	144,335	133,894	99,731
8	New Jersey.....	2,360	1,328	431	0	0	0	35,245	26,157	19,186	37,605	27,485	19,617
9	Pennsylvania.....	17,733	7,469	1,783	4,660	3,050	1,000	211,002	153,691	97,192	233,395	169,210	99,975
	East North Central:												
10	Ohio.....	11,252	5,628	755	250	250	250	149,940	85,577	38,193	161,442	91,455	39,198
11	Indiana.....	1,700	1,295	1,097	340	0	0	163,217	76,868	20,741	165,257	78,163	21,838
12	Illinois.....	3,042	870	292	0	0	400	52,497	40,292	30,898	55,539	41,162	31,590
13	Michigan.....	1,626	603	184	0	0	0	18,538	15,106	11,376	20,164	15,709	11,560
14	Wisconsin.....	4,500	2,079	910	4,000	2,000	0	26,041	19,226	11,558	34,541	23,305	12,468
	West North Central:												
15	Minnesota.....	4,755	1,428	665	0	0	0	8,646	7,612	6,133	13,401	9,040	6,798
16	Iowa.....	2,658	564	400	0	0	0	10,199	7,580	5,827	12,857	8,144	6,227
17	Missouri.....	2,472	963	11	0	0	0	14,122	10,892	8,216	16,594	11,855	8,227
18	North Dakota.....	318	205	0	0	0	0	1,741	1,060	706	2,059	1,265	706
19	South Dakota.....	4,832	528	202	0	0	0	3,607	2,241	1,381	8,439	2,769	1,583
20	Nebraska.....	3,832	845	82	0	0	0	5,845	3,926	2,624	9,677	4,771	2,706
21	Kansas.....	7,136	1,678	0	3,575	1,125	0	34,006	17,361	5,938	44,717	20,164	5,938
	South Atlantic:												
22	Delaware.....	250	0	0	0	0	0	653	924	1,145	903	924	1,145
23	Maryland and Dist. of Columbia.....	823	130	80	0	0	0	8,491	9,209	8,372	9,314	9,339	8,452
24	Virginia.....	185	60	0	0	900	0	4,943	3,561	2,812	5,128	4,521	2,812
25	West Virginia.....	3,085	925	620	0	350	0	22,821	13,049	5,195	25,906	14,324	5,815
26	North Carolina.....	80	0	0	1,600	0	0	5,837	3,846	2,212	7,517	3,846	2,212
27	South Carolina.....	455	150	0	0	0	0	5,619	2,419	1,905	6,074	2,569	1,905
28	Georgia.....	720	140	0	3,000	3,000	0	7,173	4,116	1,821	10,893	7,256	1,821
29	Florida.....	500	40	0	675	825	0	2,662	1,198	606	3,837	2,063	606
	East South Central:												
30	Kentucky.....	576	15	45	0	0	0	7,516	4,893	2,819	8,092	4,908	2,864
31	Tennessee.....	445	0	0	0	0	0	3,012	2,152	1,444	3,457	2,152	1,444
32	Alabama.....	19	20	25	0	0	0	7,807	4,021	1,439	7,826	4,041	1,464
33	Mississippi.....	40	25	0	0	0	0	1,689	843	307	1,729	868	307
	West South Central:												
34	Arkansas.....	221	12	0	0	0	0	2,244	1,305	689	2,465	1,317	689
35	Louisiana.....	990	420	0	0	0	0	7,904	4,948	2,295	8,894	5,368	2,295
36	Oklahoma.....	5,966	200	0	300	0	0	13,266	5,728	829	19,532	5,928	829
37	Texas.....	9,502	3,058	108	375	0	0	24,405	10,798	2,087	34,282	13,856	2,195
	Mountain:												
38	Montana.....	75	0	2	0	0	0	857	426	403	932	426	405
39	Idaho.....	0	0	50	0	0	0	283	248	147	283	248	197
40	Wyoming.....	100	0	500	0	0	0	13	295	316	113	295	816
41	Colorado.....	80	300	0	0	0	0	1,767	1,606	1,447	1,847	1,906	1,447
42	New Mexico.....	1,770	0	0	0	0	0	285	419	385	2,055	419	385
43	Arizona.....	0	70	650	0	0	0	1,115	1,763	1,470	1,115	1,833	2,120
44	Utah.....	0	0	0	0	0	0	0	641	671	0	641	671
45	Nevada.....	670	485	0	0	0	0	596	480	262	1,266	965	262
	Pacific:												
46	Washington.....	165	90	0	0	0	0	1,599	1,686	1,218	1,764	1,776	1,218
47	Oregon.....	334	182	0	0	0	0	572	495	475	906	677	475
48	California.....	1,980	16,585	618	0	160	175	11,852	11,043	9,318	13,832	27,788	10,111
49	New England.....	7,317	4,123	666	2,700	2,700	0	88,106	78,322	62,706	98,123	85,145	63,372
50	Middle Atlantic.....	26,564	12,112	4,219	7,375	5,025	1,100	381,396	313,452	214,004	415,335	330,589	219,323
51	East North Central.....	22,120	10,475	3,238	4,590	2,250	650	410,233	237,069	112,766	436,943	249,794	116,654
52	West North Central.....	26,003	6,211	1,360	3,575	1,125	0	78,166	50,672	30,825	107,744	58,008	32,185
53	South Atlantic.....	6,093	1,445	700	5,275	5,075	0	58,199	38,322	24,068	69,572	44,842	24,768
54	East South Central.....	1,080	60	70	0	0	0	20,024	11,909	6,009	21,104	11,969	6,079
55	West South Central.....	16,679	3,690	108	675	0	0	47,819	22,779	5,900	65,173	26,469	6,008
56	Mountain.....	2,695	855	1,202	0	0	0	4,916	5,878	5,101	7,611	6,733	6,303
57	Pacific.....	2,479	16,857	618	0	160	175	14,023	13,224	11,011	16,502	30,241	11,804
	United States.....	111,035	55,828	12,181	24,190	16,335	1,925	1,102,882	771,627	472,390	1,238,107	843,790	486,496

NOTE.—Figures for primary power in manufacturing plants are given in the Census for Manufactures, 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904, and from 1904 to 1909 and 1912.



TABLE 11.—GAS AND OIL ENGINES; INSTALLED CAPACITY PER THOUSAND OF POPULATION IN 1912, 1907, AND 1902. IN COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Commercial and municipal central stations.			Street and electric railways.			Manufacturing plants.			Total.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
	New England:												
1	Maine.....	0.2	0	0	0	0	0	7.0	7.6	6.9	7.2	7.6	6.9
2	New Hampshire.....	4.4	2.6	.1	0	0	0	6.1	18.0	18.6	10.5	20.6	18.7
3	Vermont.....	.3	.6	.4	0	0	0	9.3	8.8	8.7	9.6	9.4	9.1
4	Massachusetts.....	.9	.4	0	.8	.8	0	13.7	12.8	10.9	15.4	14.0	10.9
5	Rhode Island.....	2.0	2.0	0	0	0	0	11.8	11.8	13.4	13.8	13.8	13.4
6	Connecticut.....	.8	.7	.4	0	0	0	19.0	14.0	9.6	19.8	14.8	10.0
	Middle Atlantic:												
7	New York.....	.7	.4	.3	.3	.2	0	14.2	15.0	12.7	15.2	15.6	13.0
8	New Jersey.....	.9	.6	.2	0	0	0	13.1	11.1	9.5	14.0	11.7	9.7
9	Pennsylvania.....	2.2	1.0	.2	.6	.4	.2	26.5	21.8	29.3	14.8	23.2	15.2
	East North Central:												
10	Ohio.....	2.2	1.2	.1	.1	.1	.1	30.6	18.6	8.9	32.9	19.9	9.1
11	Indiana.....	.6	.5	.4	.1	0	0	59.6	29.0	8.2	60.3	29.5	8.6
12	Illinois.....	.5	.2	0	0	0	.1	9.0	7.4	6.2	9.5	7.6	6.3
13	Michigan.....	.6	.2	.1	0	0	0	6.4	5.6	4.5	7.0	5.8	4.6
14	Wisconsin.....	1.9	.9	.4	1.7	.9	0	10.8	8.5	5.5	14.4	10.3	5.9
	West North Central:												
15	Minnesota.....	2.2	.7	.4	0	0	0	4.0	3.9	3.3	6.2	4.6	3.7
16	Iowa.....	1.2	.3	.2	0	0	0	4.6	3.4	2.6	5.8	3.7	2.8
17	Missouri.....	.7	.3	0	0	0	0	4.3	3.4	2.6	5.0	3.7	2.6
18	North Dakota.....	.5	.4	0	0	0	0	2.7	2.1	1.9	3.2	2.5	1.9
19	South Dakota.....	7.7	1.0	.5	0	0	0	5.8	4.2	3.1	13.5	5.2	3.6
20	Nebraska.....	3.1	.7	.1	0	0	0	4.8	3.4	2.4	7.9	4.1	2.5
21	Kansas.....	4.1	1.0	0	2.1	.7	0	19.5	10.7	3.9	25.7	12.4	3.9
	South Atlantic:												
22	Delaware.....	1.2	0	0	0	0	0	3.2	4.7	6.1	4.4	4.7	6.1
23	Maryland and District of Columbia.....	.5	.1	.1	0	0	0	5.1	5.8	5.5	5.6	5.9	5.6
24	Virginia.....	.1	.1	0	0	.4	0	2.3	1.8	1.5	2.4	2.3	1.5
25	West Virginia.....	2.4	.8	.6	0	.3	0	17.8	11.4	5.1	20.2	12.5	5.7
26	North Carolina.....	0	0	0	.7	0	0	2.6	1.8	1.1	3.3	1.8	1.1
27	South Carolina.....	.3	.1	0	0	0	0	3.6	1.6	1.4	3.9	1.8	1.4
28	Georgia.....	.3	.1	0	1.1	1.2	0	2.6	1.6	.8	4.0	2.9	.8
29	Florida.....	.7	.1	0	.8	1.2	0	3.3	1.7	1.0	4.8	3.0	1.0
	East South Central:												
30	Kentucky.....	.2	0	0	0	0	0	3.3	2.2	1.3	3.5	2.2	1.3
31	Tennessee.....	.2	0	0	0	0	0	1.4	1.0	.7	1.6	1.0	.7
32	Alabama.....	0	0	0	0	0	0	3.6	2.0	.8	3.6	2.0	.8
33	Mississippi.....	0	0	0	0	0	0	.9	.5	.2	.9	.5	.2
	West South Central:												
34	Arkansas.....	.1	0	0	0	0	0	1.4	.9	.5	1.5	.9	.5
35	Louisiana.....	.6	.3	0	0	0	0	4.6	3.1	1.6	5.2	3.4	1.6
36	Oklahoma.....	3.2	.1	0	.2	0	0	7.2	4.1	.8	10.6	4.2	.8
37	Texas.....	2.3	.8	0	.1	0	0	6.0	3.0	.7	8.4	3.8	.7
	Mountain:												
38	Montana.....	.2	0	0	0	0	0	2.1	1.3	1.5	2.3	1.3	1.5
39	Idaho.....	0	0	.3	0	0	0	.8	.9	.7	.8	.9	1.0
40	Wyoming.....	.6	0	4.8	0	0	0	.1	2.2	3.1	.7	2.2	7.9
41	Colorado.....	.1	.4	0	0	0	0	2.1	2.2	2.4	2.2	2.6	2.4
42	New Mexico.....	5.0	0	0	0	0	0	.8	1.4	1.7	5.8	1.4	1.7
43	Arizona.....	0	.4	4.6	0	0	0	5.0	9.7	10.5	5.0	10.1	15.1
44	Utah.....	0	0	0	0	0	0	0	1.8	2.3	0	1.8	2.3
45	Nevada.....	7.4	6.9	0	0	0	0	6.6	6.8	5.2	14.0	13.6	5.2
	Pacific:												
46	Washington.....	.1	.1	0	0	0	0	1.3	1.7	1.9	1.4	1.8	1.9
47	Oregon.....	.5	.3	0	0	0	0	.7	.8	1.0	1.2	1.1	1.0
48	California.....	.8	7.8	.4	0	.1	.1	4.6	5.2	5.5	5.4	13.1	6.0
49	New England.....	1.1	.7	.1	.4	.4	0	13.0	12.5	10.8	14.5	13.6	10.9
50	Middle Atlantic.....	1.3	.6	.2	.4	.3	.1	18.9	17.2	13.2	20.6	18.1	13.5
51	East North Central.....	1.2	.6	.2	.2	.1	0	21.9	13.5	6.9	23.3	14.2	7.1
52	West North Central.....	2.2	.6	.1	.3	.1	0	6.5	4.4	2.9	9.0	5.2	3.0
53	South Atlantic.....	.5	.2	.1	.4	.4	0	4.6	3.2	2.2	5.5	3.8	2.3
54	East South Central.....	.1	0	0	0	0	0	2.4	1.5	.8	2.4	1.5	.8
55	West South Central.....	1.8	.5	0	.1	0	0	5.1	2.8	.9	7.0	3.2	.9
56	Mountain.....	.9	.4	.6	0	0	0	1.8	2.4	2.8	2.7	2.8	3.4
57	Pacific.....	.5	4.6	.2	0	0	.1	3.1	3.6	3.9	3.6	8.2	4.2
	United States.....	1.1	.6	.2	.3	.2	0	11.6	8.8	5.9	13.0	9.6	6.1

NOTE.—Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.

TABLE 12.—COMMERCIAL CENTRAL STATIONS, PRIMARY POWER IN 1912, 1907, AND 1902; STEAM POWER, WATER POWER, AND GAS POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Water power.			Steam power.			Gas power.			Total power.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1912	1902
	New England:												
1	Maine.....	68,300	38,021	12,671	18,760	17,614	11,643	135	0	0	87,195	55,635	24,314
2	New Hampshire.....	56,537	24,799	15,406	24,541	19,955	12,490	1,905	1,115	50	82,983	45,869	27,946
3	Vermont.....	30,406	24,484	13,075	13,096	8,929	7,196	95	205	125	43,597	33,618	20,396
4	Massachusetts.....	23,283	15,596	8,808	299,206	156,165	109,065	2,214	769	85	324,703	172,530	117,958
5	Rhode Island.....	2,440	2,263	1,925	46,834	24,623	15,575	1,125	1,000	0	50,399	27,886	17,500
6	Connecticut.....	19,058	17,955	6,565	81,175	33,677	20,518	130	21	406	100,363	51,653	27,489
	Middle Atlantic:												
7	New York.....	510,521	303,905	128,271	628,486	402,924	187,137	5,301	3,085	2,005	1,144,308	709,914	317,413
8	New Jersey.....	1,457	1,682	1,005	233,104	88,948	66,240	2,200	1,275	431	236,761	91,905	67,676
9	Pennsylvania.....	131,699	30,578	6,703	452,767	251,675	159,089	16,088	6,743	1,587	600,554	288,996	167,379
	East North Central:												
10	Ohio.....	8,635	1,682	1,326	282,914	143,699	83,669	7,917	4,303	755	299,466	149,684	85,750
11	Indiana.....	23,915	19,075	600	129,051	76,352	39,631	1,220	955	742	154,186	96,382	40,973
12	Illinois.....	9,242	10,478	9,505	582,506	257,353	95,940	2,882	568	242	594,630	268,399	105,687
13	Michigan.....	115,852	81,509	12,915	213,813	70,860	32,060	899	334	40	330,564	152,703	45,015
14	Wisconsin.....	66,576	17,431	7,423	61,053	29,584	24,183	3,898	2,004	860	131,527	49,019	32,466
	West North Central:												
15	Minnesota.....	78,960	70,160	5,125	45,091	33,273	19,176	2,867	1,067	560	126,918	104,500	24,861
16	Iowa.....	6,639	3,478	2,399	55,941	33,052	30,829	1,183	398	400	63,763	36,928	33,628
17	Missouri.....	1,902	2,002	1,000	161,143	96,475	37,421	2,230	893	11	165,275	99,370	38,432
18	North Dakota.....	0	100	100	13,651	8,547	2,870	318	205	0	13,969	8,852	2,970
19	South Dakota.....	6,913	2,205	845	14,813	8,715	3,380	3,404	296	145	25,130	11,216	4,370
20	Nebraska.....	5,728	2,954	1,820	32,611	22,376	8,975	2,067	459	82	40,406	25,789	10,877
21	Kansas.....	8,820	8,461	974	68,889	31,091	10,771	4,047	1,301	0	81,756	40,853	11,745
	South Atlantic:												
22	Delaware.....	826	285	0	1,955	6,150	773	250	0	0	3,031	6,435	773
23	Maryland and District of Columbia.....	3,083	1,347	275	100,432	73,674	26,963	758	95	80	104,273	75,116	27,318
24	Virginia.....	38,474	7,098	1,041	9,720	3,602	3,190	185	60	0	48,379	10,760	4,231
25	West Virginia.....	6,036	3,627	100	32,534	15,301	8,649	2,920	925	620	41,490	19,853	9,369
26	North Carolina.....	49,000	9,676	1,780	6,078	4,232	2,744	50	0	0	55,128	13,908	4,524
27	South Carolina.....	178,555	75,430	10,415	35,566	5,930	9,530	395	150	0	214,516	81,510	19,945
28	Georgia.....	51,467	36,155	5,989	18,631	8,445	3,853	720	140	0	70,818	44,740	9,842
29	Florida.....	5,700	0	0	10,469	6,401	4,229	465	0	0	16,634	6,401	4,229
	East South Central:												
30	Kentucky.....	0	0	30	73,696	37,385	19,460	556	15	45	74,252	37,400	19,535
31	Tennessee.....	27,450	1,060	439	29,979	20,850	14,793	220	0	0	57,649	21,910	15,232
32	Alabama.....	9,005	6,675	0	19,034	15,171	6,660	15	20	25	28,054	21,866	6,685
33	Mississippi.....	0	0	0	19,970	7,330	4,775	0	25	0	19,970	7,355	4,775
	West South Central:												
34	Arkansas.....	3,040	300	227	16,769	10,732	7,116	71	12	0	19,880	11,044	7,343
35	Louisiana.....	0	0	0	20,665	18,585	12,387	625	420	0	21,290	19,005	12,387
36	Oklahoma.....	1,835	0	0	34,785	20,228	4,045	5,320	200	0	41,940	20,428	4,045
37	Texas.....	3,383	2,762	1,104	105,961	63,154	31,430	9,339	3,058	108	118,683	68,974	32,642
	Mountain:												
38	Montana.....	102,885	56,987	24,000	11,825	11,480	7,635	75	0	2	114,785	68,467	31,637
39	Idaho.....	50,750	11,292	3,924	4,525	2,117	1,480	0	0	50	55,275	13,409	5,454
40	Wyoming.....	1,298	765	75	9,922	4,360	2,654	100	0	500	11,320	5,125	3,229
41	Colorado.....	76,205	25,580	12,750	54,804	55,577	25,398	80	300	0	131,089	81,457	38,148
42	New Mexico.....	817	513	50	8,128	4,035	1,730	1,340	0	0	10,285	4,548	1,780
43	Arizona.....	9,300	750	0	12,775	6,926	1,890	0	70	650	22,075	7,746	2,540
44	Utah.....	55,812	32,161	18,285	525	1,069	2,050	0	0	0	56,337	33,230	20,335
45	Nevada.....	12,540	6,260	1,470	2,210	235	250	670	485	0	15,420	6,980	1,720
	Pacific:												
46	Washington.....	20,356	51,078	17,238	17,738	10,647	5,056	165	90	0	38,259	61,815	22,294
47	Oregon.....	25,808	101,877	11,118	15,324	24,234	6,367	210	100	0	41,342	126,211	17,455
48	California.....	430,312	208,244	78,483	406,401	154,614	53,577	1,980	16,585	618	838,693	379,443	132,678
49	New England.....	200,024	123,118	58,450	483,612	260,963	176,487	5,604	3,110	666	689,240	387,191	235,603
50	Middle Atlantic.....	643,677	336,165	135,979	1,314,357	743,547	412,466	23,589	11,103	4,023	1,981,623	1,090,815	552,468
51	East North Central.....	224,220	130,175	31,769	1,269,337	577,848	275,483	16,816	8,164	2,639	1,510,373	716,187	309,891
52	West North Central.....	108,962	89,360	12,263	392,139	233,529	113,422	16,116	4,619	1,198	517,217	327,508	126,883
53	South Atlantic.....	333,141	133,618	19,600	215,385	123,735	59,931	5,743	1,370	700	554,269	258,723	80,231
54	East South Central.....	36,455	7,735	469	142,679	80,736	45,688	791	60	70	179,925	88,531	46,227
55	West South Central.....	8,258	3,062	1,331	178,180	112,699	54,978	15,355	3,690	108	201,793	119,451	56,417
56	Mountain.....	309,607	134,308	60,554	104,714	85,799	43,087	2,265	855	1,202	416,586	220,962	104,843
57	Pacific.....	476,476	361,199	106,839	439,463	189,495	65,000	2,355	16,775	618	918,294	567,469	172,457
	United States.....	2,340,820	1,318,740	427,254	4,539,866	2,408,351	1,246,542	88,634	49,746	11,224	6,969,320	3,776,837	1,685,020

NOTE.—The reduction from 1907 to 1912 in the States of Oregon and Washington arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. and by the Puget Sound Traction, Light & Power Co. as central stations in 1907 and as electric railway stations in 1912. Both should properly have been classified as central stations in 1912.

The term "Steam power" includes steam engines and steam turbines; "Water power," water wheels, turbines, and motors; and "Gas power," internal combustion engines using either gas or oil fuel.



TABLE 13.—MUNICIPAL CENTRAL STATIONS, PRIMARY POWER IN 1912, 1907, AND 1902: STEAM POWER, WATER POWER, AND GAS POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Water power.			Steam power.			Gas power.			Total power.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
	New England:												
1	Maine.....	1,638	1,745	375	850	500	200	0	0	0	2,488	2,245	575
2	New Hampshire.....	400	605	0	845	310	150	0	0	0	1,245	915	150
3	Vermont.....	4,866	3,988	3,221	1,900	960	240	0	0	0	6,766	4,948	3,461
4	Massachusetts.....	1,197	1,185	125	23,922	14,292	6,130	958	328	0	26,077	15,805	6,255
5	Rhode Island.....	0	0	0	100	100	100	0	0	0	100	100	100
6	Connecticut.....	376	90	0	8,197	3,815	900	755	685	0	9,328	4,590	900
	Middle Atlantic:												
7	New York.....	1,885	2,045	514	10,446	10,464	5,486	1,170	230	0	13,501	12,739	6,000
8	New Jersey.....	112	112	0	2,481	1,532	1,085	160	53	0	2,753	1,697	1,085
9	Pennsylvania.....	594	285	285	13,201	12,530	7,650	1,645	726	196	15,440	13,541	8,131
	East North Central:												
10	Ohio.....	225	355	350	34,246	27,747	17,645	3,335	1,325	0	37,806	29,427	17,995
11	Indiana.....	0	531	505	30,837	19,575	12,404	480	340	355	31,317	20,446	13,264
12	Illinois.....	28,120	0	0	22,721	30,545	21,129	160	302	50	51,001	30,847	21,179
13	Michigan.....	9,227	4,229	3,170	36,664	27,006	16,554	727	269	144	46,618	31,504	19,868
14	Wisconsin.....	2,190	1,570	414	11,092	8,225	2,785	602	75	50	13,884	9,870	3,249
	West North Central:												
15	Minnesota.....	1,212	1,496	915	18,093	15,468	8,942	1,888	361	105	21,193	17,325	9,962
16	Iowa.....	390	355	0	11,503	9,290	5,876	1,475	166	0	13,368	9,811	5,876
17	Missouri.....	0	0	0	16,578	11,976	6,886	242	70	0	16,820	12,046	6,886
18	North Dakota.....	0	0	0	2,200	1,425	960	0	0	0	2,200	1,425	960
19	South Dakota.....	0	0	0	1,190	1,536	630	1,428	232	57	2,618	1,768	687
20	Nebraska.....	156	0	0	9,841	3,845	1,431	1,765	386	0	11,762	4,231	1,431
21	Kansas.....	0	200	60	13,483	6,944	1,478	3,089	377	0	16,572	7,521	1,538
	South Atlantic:												
22	Delaware.....	0	0	0	1,620	1,340	812	0	0	0	1,620	1,340	812
23	Maryland and District of Columbia.....	140	0	0	3,949	2,420	960	65	35	0	4,154	2,455	960
24	Virginia.....	5,806	2,453	180	5,400	1,406	1,032	0	0	0	11,206	3,859	1,212
25	West Virginia.....	0	0	0	1,530	1,575	1,451	165	0	0	1,695	1,575	1,451
26	North Carolina.....	951	286	140	8,874	6,489	1,902	30	0	0	9,855	6,775	2,042
27	South Carolina.....	0	0	0	3,920	2,605	1,260	60	0	0	3,980	2,605	1,260
28	Georgia.....	490	180	132	16,643	9,784	2,656	0	0	0	17,133	9,964	2,788
29	Florida.....	0	0	0	17,167	7,929	1,885	35	40	0	17,202	7,969	1,885
	East South Central:												
30	Kentucky.....	0	0	0	7,495	4,584	1,880	20	0	0	7,515	4,584	1,880
31	Tennessee.....	300	180	180	10,820	6,640	3,591	225	0	0	11,345	6,820	3,771
32	Alabama.....	875	332	0	5,540	4,206	935	4	0	0	6,419	4,538	935
33	Mississippi.....	0	0	0	10,487	8,167	2,885	40	0	0	10,527	8,167	2,885
	West South Central:												
34	Arkansas.....	0	0	0	5,830	2,909	1,090	150	0	0	5,980	2,909	1,090
35	Louisiana.....	0	0	0	5,510	4,287	1,380	365	0	0	5,875	4,287	1,380
36	Oklahoma.....	300	0	0	11,036	2,195	362	646	0	0	11,982	2,195	362
37	Texas.....	120	0	0	7,650	2,940	2,245	163	0	0	7,933	2,940	2,245
	Mountain:												
38	Montana.....	0	0	0	925	350	250	0	0	0	925	350	250
39	Idaho.....	1,100	200	0	0	85	0	0	0	0	1,100	285	0
40	Wyoming.....	36	0	0	240	0	0	0	0	0	276	0	0
41	Colorado.....	800	0	0	2,115	970	120	0	0	0	2,915	970	120
42	New Mexico.....	0	0	0	300	0	0	430	0	0	730	0	0
43	Arizona.....	0	0	0	0	0	0	0	0	0	0	0	0
44	Utah.....	3,776	2,510	125	475	210	0	0	0	0	4,251	2,720	125
45	Nevada.....	0	0	0	0	0	0	0	0	0	0	0	0
	Pacific:												
46	Washington.....	57,235	5,040	0	390	369	600	0	0	0	57,625	5,409	600
47	Oregon.....	3,994	175	77	555	347	236	124	82	0	4,673	604	313
48	California.....	1,750	200	450	7,805	5,030	1,660	0	0	0	9,555	5,230	2,110
49	New England.....	8,477	7,613	3,721	35,814	19,977	7,720	1,713	1,013	0	46,004	28,603	11,441
50	Middle Atlantic.....	2,591	2,442	799	26,128	24,526	14,221	2,975	1,009	196	31,694	27,977	15,216
51	East North Central.....	39,762	6,685	4,439	135,560	113,098	70,517	5,304	2,311	599	180,626	122,094	75,555
52	West North Central.....	1,758	2,051	975	72,888	50,484	26,203	9,887	1,592	162	84,533	54,127	27,340
53	South Atlantic.....	7,387	2,919	452	59,103	33,548	11,958	355	75	0	66,845	36,542	12,410
54	East South Central.....	1,175	512	180	34,342	23,597	9,291	289	0	0	35,806	24,109	9,471
55	West South Central.....	420	0	0	30,026	12,331	5,077	1,324	0	0	31,770	12,331	5,077
56	Mountain.....	5,712	2,710	125	4,055	1,615	370	430	0	0	10,197	4,325	495
57	Pacific.....	62,979	5,415	527	8,750	5,746	2,496	124	82	0	71,853	11,243	3,023
	United States.....	130,261	30,347	11,218	406,666	284,922	147,853	22,401	6,082	957	559,328	321,351	160,028

NOTE.—The term "Steam power" includes steam engines and steam turbines; "Water power," water wheels, turbines, and motors; and "Gas power," internal combustion engines using either gas or oil fuel.

TABLE 14.—STREET AND ELECTRIC RAILWAYS, PRIMARY POWER IN 1912, 1907, AND 1902; STEAM POWER, WATER POWER, AND GAS POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Water power.			Steam power.			Gas power.			Total power.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:												
2	Maine.....	25,564	7,000	3,325	14,526	13,345	9,740	0	0	0	40,090	20,345	13,065
3	New Hampshire.....	2,182	800	0	1,920	2,830	4,015	0	0	0	4,102	3,630	4,015
4	Vermont.....	4,655	2,750	140	3,000	2,700	1,011	0	0	0	7,655	5,450	1,151
5	Massachusetts.....	1,709	1,628	1,732	268,387	194,759	134,448	2,700	2,700	0	272,796	199,087	136,180
6	Rhode Island.....	0	0	0	44,850	29,085	13,135	0	0	0	44,850	29,085	13,135
7	Connecticut.....	900	1,938	646	51,495	43,170	30,600	0	0	0	52,395	45,108	31,246
8	Middle Atlantic:												
9	New York.....	18,515	9,485	8,645	634,490	405,691	231,025	2,715	1,975	100	655,720	417,151	239,770
10	New Jersey.....	0	0	0	29,098	91,935	31,140	0	0	0	29,098	91,935	31,140
11	Pennsylvania.....	725	625	200	287,500	295,561	137,955	4,660	3,050	1,000	292,885	299,236	139,155
12	East North Central:												
13	Ohio.....	1,830	1,250	600	330,995	234,645	130,500	250	250	250	333,075	236,145	131,350
14	Indiana.....	0	0	0	121,580	80,139	26,805	340	0	0	121,920	80,139	26,805
15	Illinois.....	5,200	1,153	550	169,580	197,093	134,144	0	0	400	174,780	198,246	135,094
16	Michigan.....	9,375	0	0	58,905	56,845	46,691	0	0	0	68,280	56,845	46,691
17	Wisconsin.....	25,518	3,460	3,885	97,134	58,833	36,530	4,000	2,000	0	126,652	64,293	40,415
18	West North Central:												
19	Minnesota.....	22,000	10,280	10,280	91,583	40,950	11,275	0	0	0	113,583	51,230	21,555
20	Iowa.....	0	0	0	56,462	32,350	20,075	0	0	0	56,462	32,350	20,075
21	Missouri.....	0	0	0	125,940	91,522	65,105	0	0	0	125,940	91,522	65,105
22	North Dakota.....	0	0	0	80	250	0	0	0	0	80	250	0
23	South Dakota.....	0	0	0	0	0	0	0	0	0	0	0	0
24	Nebraska.....	0	0	0	19,125	12,082	5,100	0	0	0	19,125	12,082	5,100
25	Kansas.....	0	0	0	8,705	6,860	3,715	3,575	1,125	0	12,280	7,985	3,715
26	South Atlantic:												
27	Delaware.....	0	0	0	20,250	7,025	5,800	0	0	0	20,250	7,025	5,800
28	Maryland and District												
29	of Columbia.....	0	0	0	94,441	79,250	33,690	0	0	0	94,441	79,250	33,690
30	Virginia.....	22,119	16,925	950	73,785	50,038	15,860	0	900	0	100,904	67,863	16,810
31	West Virginia.....	0	0	0	25,740	21,113	12,050	0	350	0	25,740	21,463	12,050
32	North Carolina.....	10,200	2,850	2,950	16,930	9,575	4,072	1,600	0	0	28,730	12,425	7,022
33	South Carolina.....	0	8,040	0	12,110	11,576	5,875	0	0	0	12,110	19,616	5,875
34	Georgia.....	30,530	5,797	5,470	49,351	29,879	23,045	3,000	3,000	0	82,881	38,676	28,515
35	Florida.....	1,400	1,400	1,400	15,793	8,688	2,595	675	825	0	17,868	10,913	3,995
36	East South Central:												
37	Kentucky.....	0	0	0	26,460	29,425	16,060	0	0	0	26,460	29,425	16,060
38	Tennessee.....	0	0	0	53,367	39,655	11,482	0	0	0	53,367	39,655	11,482
39	Alabama.....	0	0	0	43,930	26,215	12,350	0	0	0	43,930	26,215	12,350
40	Mississippi.....	0	0	0	9,850	10,864	2,555	0	0	0	9,850	10,864	2,555
41	West South Central:												
42	Arkansas.....	0	0	0	16,744	10,541	2,365	0	0	0	16,744	10,541	2,365
43	Louisiana.....	0	0	0	43,745	43,431	13,550	0	0	0	43,745	43,431	13,550
44	Oklahoma.....	0	0	0	9,375	1,800	0	300	0	0	9,675	1,800	0
45	Texas.....	0	0	0	40,697	18,485	7,380	375	0	0	41,072	18,485	7,380
46	Mountain:												
47	Montana.....	770	0	250	750	1,150	1,350	0	0	0	1,520	1,150	1,600
48	Idaho.....	0	0	60	0	0	0	0	0	0	0	0	60
49	Wyoming.....	0	0	0	0	0	0	0	0	0	0	0	0
50	Colorado.....	5,200	1,880	250	43,332	19,910	9,735	0	0	0	48,532	21,790	10,035
51	New Mexico.....	0	0	0	0	1,180	0	0	0	0	0	1,180	0
52	Arizona.....	0	0	0	600	0	250	0	0	0	600	0	250
53	Utah.....	15,100	9,600	0	26,186	2,590	900	0	0	0	41,286	12,190	900
54	Nevada.....	0	0	0	0	0	0	0	0	0	0	0	0
55	Pacific:												
56	Washington.....	192,050	4,900	1,325	53,767	37,537	13,167	0	0	0	245,817	42,437	14,492
57	Oregon.....	75,500	0	0	33,950	0	4,300	0	0	0	109,450	0	4,300
58	California.....	265	200	6,495	33,640	60,955	31,717	0	160	175	33,311	61,315	38,387
59	New England.....	35,010	14,116	5,843	384,178	285,889	192,949	2,700	2,700	0	421,888	302,705	198,792
60	Middle Atlantic.....	19,240	10,110	8,845	951,088	793,187	400,120	7,375	5,025	1,100	977,703	808,322	410,065
61	East North Central.....	41,923	5,863	5,035	778,194	627,555	374,670	4,590	2,250	650	824,707	635,668	380,355
62	West North Central.....	22,000	10,280	10,280	301,895	184,014	105,270	3,575	1,125	0	327,470	195,419	115,550
63	South Atlantic.....	64,249	35,012	10,770	313,400	217,144	107,987	5,275	5,075	0	382,924	257,231	118,757
64	East South Central.....	0	0	0	138,607	106,159	42,447	0	0	0	138,607	106,159	42,447
65	West South Central.....	0	0	0	110,561	74,257	23,295	675	0	0	111,236	74,257	23,295
66	Mountain.....	21,070	11,480	560	70,868	24,830	12,285	0	0	0	91,938	36,310	12,845
67	Pacific.....	267,815	5,100	7,829	120,763	98,492	49,184	0	160	175	388,578	103,752	57,179
68	United States.....	471,307	91,961	49,153	3,169,554	2,411,527	1,308,207	24,190	16,335	1,925	3,665,051	2,519,823	1,359,285

NOTE.—The increase from 1907 to 1912 in the States of Oregon and Washington arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. and by the Puget Sound Traction, Light & Power Co. as central stations in 1907 and as electric railway stations in 1912. Both should properly have been classified as central stations in 1912.

The term "Steam power" includes steam engines and steam turbines; "Water power" water wheels, turbines, and motors; and "Gas power," internal-combustion engines using either gas or oil fuel.



TABLE 15 —MANUFACTURING PLANTS—PRIMARY POWER IN 1912, 1907, AND 1902—STEAM POWER, WATER POWER, AND GAS POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Water power.			Steam power.			Gas power.			Total power.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
	New England:												
1	Maine.....	291,571	236,273	185,372	193,661	151,884	111,794	5,262	5,507	4,838	490,494	393,664	302,004
2	New Hampshire.....	114,653	116,916	102,449	161,141	124,452	97,425	2,658	7,633	7,713	308,452	249,001	207,587
3	Vermont.....	80,757	77,932	76,711	68,703	61,284	51,776	3,345	3,127	3,025	152,805	142,343	131,512
4	Massachusetts.....	188,369	185,280	182,819	921,242	777,008	644,890	47,949	41,131	31,912	1,157,560	1,003,419	859,621
5	Rhode Island.....	32,729	30,543	28,807	196,276	161,305	130,487	6,743	6,059	6,087	235,748	197,907	165,381
6	Connecticut.....	78,210	71,084	66,969	308,706	252,432	202,329	22,149	11,865	9,131	409,065	338,381	278,429
	Middle Atlantic:												
7	New York.....	365,308	415,824	401,845	1,219,105	988,725	774,179	135,149	128,604	97,626	1,719,562	1,533,153	1,273,650
8	New Jersey.....	20,563	19,081	18,983	615,407	472,509	341,581	35,245	26,157	19,186	671,215	517,750	382,753
9	Pennsylvania.....	57,938	53,364	52,212	2,812,523	2,360,179	1,888,346	211,002	158,691	97,192	3,081,463	2,572,234	2,037,750
	East North Central:												
10	Ohio.....	14,882	16,924	18,029	1,562,215	1,228,746	910,001	140,940	85,577	38,193	1,727,037	1,331,247	966,223
11	Indiana.....	6,818	8,610	10,597	515,486	403,890	320,930	163,217	76,868	20,741	685,521	489,368	352,268
12	Illinois.....	21,288	13,627	13,664	950,172	763,551	593,935	52,497	40,292	30,898	1,013,957	817,470	438,497
13	Michigan.....	43,625	40,948	38,217	519,178	429,748	353,188	18,538	15,106	11,376	581,341	485,802	602,781
14	Wisconsin.....	139,971	122,905	104,848	420,935	347,772	287,381	26,041	19,226	11,558	586,947	489,903	403,787
	West North Central:												
15	Minnesota.....	72,365	51,040	32,920	219,381	186,707	158,893	8,646	7,612	6,133	300,392	245,359	197,946
16	Iowa.....	6,339	6,459	6,845	134,760	113,296	96,724	10,199	7,580	5,827	151,298	127,335	109,396
17	Missouri.....	3,745	3,734	3,481	316,054	256,780	202,038	14,122	10,892	8,216	333,921	271,406	213,735
18	North Dakota.....	655	447	396	11,101	9,550	7,543	1,741	1,060	706	13,497	11,057	8,645
19	South Dakota.....	861	991	1,081	14,521	10,747	8,792	3,607	2,241	1,381	18,989	13,979	11,254
20	Nebraska.....	7,565	7,350	7,338	51,282	40,488	32,826	5,845	3,926	2,624	64,692	51,764	42,788
21	Kansas.....	8,403	7,241	6,935	221,548	134,980	72,031	34,006	17,361	5,938	263,957	159,582	84,904
	South Atlantic:												
22	Delaware.....	5,144	5,229	5,328	42,407	42,172	38,378	653	924	1,145	48,204	48,325	44,851
23	Maryland and District of Columbia.....	13,666	12,304	11,206	218,027	177,141	141,253	8,491	9,209	8,372	240,184	198,654	160,831
24	Virginia.....	56,680	37,471	24,988	267,734	190,348	130,107	4,943	3,561	2,812	329,357	231,380	157,907
25	West Virginia.....	13,145	8,932	6,012	220,818	160,439	108,221	22,821	13,049	5,195	256,784	182,420	119,428
26	North Carolina.....	50,052	36,508	28,726	325,211	236,433	159,011	5,837	3,846	2,212	381,100	276,787	189,949
27	South Carolina.....	42,937	35,537	29,693	211,424	178,804	126,824	5,619	2,419	1,905	262,980	216,760	158,422
28	Georgia.....	29,014	28,570	26,074	274,401	217,506	154,410	7,173	4,116	1,821	310,588	250,192	182,305
29	Florida.....	203	150	117	110,028	67,495	39,203	2,662	1,198	606	112,893	68,843	39,926
	East South Central:												
30	Kentucky.....	5,841	5,067	4,461	234,448	189,686	152,146	7,516	4,893	2,819	247,805	199,646	159,426
31	Tennessee.....	9,646	9,864	10,428	247,389	193,970	143,838	3,012	2,152	1,444	260,047	205,986	155,710
32	Alabama.....	16,566	12,161	9,479	356,958	309,153	233,263	7,807	4,021	1,439	381,331	325,335	244,181
33	Mississippi.....	335	174	191	258,041	165,152	91,543	1,689	843	307	260,065	166,169	92,041
	West South Central:												
34	Arkansas.....	728	638	644	204,424	143,971	95,826	2,244	1,305	689	207,396	145,914	97,159
35	Louisiana.....	0	151	285	382,745	297,120	222,444	7,904	4,948	2,295	390,649	302,219	225,024
36	Oklahoma.....	690	327	128	71,010	45,064	21,079	13,266	5,728	829	87,966	51,119	22,036
37	Texas.....	1,653	2,043	1,989	305,973	211,810	137,564	24,405	10,798	2,087	332,031	224,651	141,640
	Mountain:												
38	Montana.....	15,645	12,314	10,076	60,033	42,735	32,217	857	426	403	76,535	55,475	42,696
39	Idaho.....	3,204	1,875	1,289	47,759	27,375	10,691	283	248	147	51,246	29,498	12,127
40	Wyoming.....	515	432	413	8,720	4,965	2,901	13	295	316	9,248	5,692	3,660
41	Colorado.....	1,025	1,693	1,854	146,509	128,403	86,283	1,767	1,606	1,447	149,301	131,702	89,584
42	New Mexico.....	29	104	151	16,791	9,107	4,371	285	419	385	16,105	9,630	4,907
43	Arizona.....	46	184	320	43,412	28,047	14,358	1,115	1,763	1,470	44,573	29,994	16,148
44	Utah.....	2,844	3,099	3,298	39,077	22,255	10,340	0	641	671	41,921	25,905	14,309
45	Nevada.....	169	552	826	6,598	3,157	906	596	480	262	7,363	4,189	1,994
	Pacific:												
46	Washington.....	10,119	6,696	5,526	321,381	214,463	121,287	1,599	1,686	1,218	333,099	222,845	128,031
47	Oregon.....	63,505	36,727	20,101	146,283	89,551	48,501	572	495	475	210,360	126,773	69,077
48	California.....	7,916	7,506	6,228	217,735	177,387	133,983	11,852	11,043	9,318	237,503	195,936	149,529
49	New England.....	816,289	718,028	643,127	1,849,729	1,528,365	1,238,701	88,106	78,322	63,706	2,754,124	2,324,715	1,944,534
50	Middle Atlantic.....	443,809	488,272	473,040	1,647,035	1,321,413	1,007,109	381,396	313,452	214,004	5,472,240	4,623,137	3,694,153
51	East North Central.....	216,584	203,014	185,355	3,967,986	3,173,707	2,465,435	410,233	237,069	112,766	4,594,803	3,613,790	2,763,556
52	West North Central.....	99,933	77,262	58,996	968,647	752,548	578,847	78,166	50,672	30,825	1,146,746	880,482	668,668
53	South Atlantic.....	210,841	164,701	132,144	1,073,050	1,270,338	897,407	58,199	38,322	24,068	1,942,090	1,473,361	1,053,619
54	East South Central.....	32,388	27,266	24,559	1,096,836	857,961	620,790	20,024	11,909	6,009	1,149,248	897,136	651,358
55	West South Central.....	3,071	3,159	3,046	967,152	697,965	476,913	47,819	22,779	5,900	1,018,042	723,903	485,859
56	Mountain.....	23,477	20,253	18,257	367,899	266,044	162,067	4,916	5,878	5,101	396,292	292,175	185,425
57	Pacific.....	81,540	50,929	31,855	685,399	481,401	303,771	14,023	13,224	11,011	780,962	545,554	346,637
	United States.....	1,927,932	1,752,884	1,570,379	16,223,733	12,849,742	9,751,040	1,102,882	771,627	472,390	19,254,547	15,374,253	11,793,809

NOTE.—Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912. The term "Steam power" includes steam engines and steam turbines; "Water power," water wheels, turbines, and motors; and "Gas power," internal-combustion engines using either gas or oil fuel.



TABLE 16.—COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, PRIMARY POWER IN 1912, 1907, AND 1902—STEAM POWER, WATER POWER, AND GAS POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Water power.			Steam power.			Gas power.			Total power.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:												
2	Maine.....	69,938	39,766	13,046	19,610	18,114	11,843	135	0	0	89,683	57,880	24,889
3	New Hampshire.....	56,937	25,404	15,406	25,386	20,265	12,640	1,905	1,115	50	84,228	46,784	28,096
4	Vermont.....	35,272	28,472	16,296	14,996	9,889	7,436	95	205	125	50,363	38,566	23,857
5	Massachusetts.....	24,480	16,781	8,933	323,128	170,457	115,195	3,172	1,097	85	350,780	188,335	124,213
6	Rhode Island.....	2,440	2,263	1,925	46,934	24,723	15,675	1,125	1,000	0	50,499	27,986	17,600
7	Connecticut.....	19,434	18,045	6,565	89,372	37,492	21,418	885	706	406	109,691	56,243	28,389
8	Middle Atlantic:												
9	New York.....	512,406	305,950	128,785	638,932	413,388	192,623	6,471	3,315	2,005	1,157,809	722,653	323,413
10	New Jersey.....	1,569	1,794	1,005	235,585	90,480	67,325	2,360	1,328	431	239,514	93,602	68,761
11	Pennsylvania.....	132,293	30,863	6,988	465,968	264,205	166,739	17,733	7,469	1,783	615,994	302,537	175,510
12	East North Central:												
13	Ohio.....	8,860	2,037	1,676	317,160	171,446	101,314	11,252	5,628	755	337,272	179,111	103,745
14	Indiana.....	23,915	19,606	1,105	159,888	95,927	52,035	1,700	1,295	1,097	185,503	116,828	54,237
15	Illinois.....	37,362	10,478	9,505	605,227	287,898	117,069	3,042	870	292	645,631	299,246	126,866
16	Michigan.....	125,079	85,738	16,085	250,477	97,866	48,614	1,626	603	184	377,182	184,207	64,883
17	Wisconsin.....	68,766	19,001	7,837	72,145	37,809	26,968	4,500	2,079	910	145,411	58,889	35,715
18	West North Central:												
19	Minnesota.....	80,172	71,656	6,040	63,184	48,741	28,118	4,755	1,428	665	148,111	121,825	34,823
20	Iowa.....	7,029	3,833	2,399	67,444	42,342	36,705	2,658	564	400	77,131	46,739	39,504
21	Missouri.....	1,902	2,002	1,000	177,721	108,451	44,307	2,472	963	11	182,095	111,416	45,318
22	North Dakota.....	0	100	100	15,851	9,972	3,830	318	205	0	16,169	10,277	3,930
23	South Dakota.....	6,913	2,205	845	16,003	10,251	4,010	4,832	528	202	27,748	12,984	5,057
24	Nebraska.....	5,884	2,954	1,820	42,452	26,221	10,406	3,832	845	82	52,168	30,020	12,308
25	Kansas.....	8,820	8,661	1,034	82,372	38,035	12,249	7,136	1,678	0	98,328	48,374	13,283
26	South Atlantic:												
27	Delaware.....	826	285	0	3,575	7,490	1,585	250	0	0	4,651	7,775	1,585
28	Maryland and District of Columbia.....	3,223	1,347	275	104,381	76,094	27,923	823	130	80	108,427	77,571	28,278
29	Virginia.....	44,280	9,551	1,221	15,120	5,008	4,222	185	60	0	59,585	14,619	5,443
30	West Virginia.....	6,036	3,627	100	34,064	16,876	10,100	3,085	925	620	43,185	21,428	10,820
31	North Carolina.....	49,951	9,962	1,920	14,952	10,721	4,646	80	0	0	64,983	20,683	6,566
32	South Carolina.....	178,555	75,430	10,415	39,486	8,535	10,790	455	150	0	218,496	84,115	21,205
33	Georgia.....	51,957	36,335	6,121	35,274	18,229	6,509	720	140	0	87,951	54,704	12,630
34	Florida.....	5,700	0	0	27,636	14,330	6,114	500	40	0	33,836	14,370	6,114
35	East South Central:												
36	Kentucky.....	0	0	30	81,191	41,969	21,340	576	15	45	81,767	41,984	21,415
37	Tennessee.....	27,750	1,240	619	40,799	27,490	18,384	445	0	0	68,994	28,730	19,003
38	Alabama.....	9,880	7,007	0	24,574	19,377	7,595	19	20	25	34,473	26,404	7,620
39	Mississippi.....	0	0	0	30,457	15,497	7,660	40	25	0	30,497	15,522	7,660
40	West South Central:												
41	Arkansas.....	3,040	300	227	22,599	13,641	8,206	221	12	0	25,860	13,953	8,433
42	Louisiana.....	0	0	0	26,175	22,872	13,767	990	420	0	27,165	23,292	13,767
43	Oklahoma.....	2,135	0	0	45,821	22,423	4,407	5,966	200	0	53,922	22,623	4,407
44	Texas.....	3,503	2,762	1,104	113,611	66,094	33,675	9,502	3,058	108	126,616	71,914	34,887
45	Mountain:												
46	Montana.....	102,885	56,987	24,000	12,750	11,830	7,885	75	0	2	115,710	68,817	31,887
47	Idaho.....	51,850	11,492	3,924	4,525	2,202	1,480	0	0	50	56,375	13,694	5,454
48	Wyoming.....	1,334	765	75	10,162	4,360	2,654	100	0	500	11,596	5,125	3,229
49	Colorado.....	77,005	25,580	12,750	56,919	56,547	25,518	80	300	0	134,004	82,427	38,268
50	New Mexico.....	817	513	50	8,428	4,035	1,730	1,770	0	0	11,015	4,548	1,780
51	Arizona.....	9,300	750	0	12,775	6,926	1,890	0	70	650	22,075	7,746	2,540
52	Utah.....	59,588	34,671	18,410	1,000	1,279	2,050	0	0	0	60,588	35,950	20,460
53	Nevada.....	12,540	6,260	1,470	2,210	235	250	670	485	0	15,420	6,980	1,720
54	Pacific:												
55	Washington.....	77,591	56,118	17,238	18,128	11,016	5,656	165	90	0	95,884	67,224	22,894
56	Oregon.....	29,802	102,052	11,195	15,879	24,581	6,603	334	182	0	46,015	126,815	17,798
57	California.....	432,062	208,444	78,933	414,206	159,644	55,237	1,980	16,585	618	848,248	384,673	134,788
58	New England.....	208,501	130,731	62,171	519,426	280,940	184,207	7,317	4,123	666	735,244	415,794	247,044
59	Middle Atlantic.....	646,268	338,607	136,778	1,340,485	768,073	426,687	26,564	12,112	4,219	2,013,317	1,118,792	567,684
60	East North Central.....	263,982	136,860	36,208	1,404,897	690,946	346,000	22,120	10,475	3,238	1,690,999	838,281	385,446
61	West North Central.....	110,720	91,411	13,238	465,027	284,013	139,625	26,003	6,211	1,360	601,750	381,635	154,223
62	South Atlantic.....	340,528	136,537	20,052	274,488	157,283	71,889	6,098	1,445	700	621,114	295,265	92,641
63	East South Central.....	37,630	8,247	649	177,021	104,333	54,979	1,080	60	70	215,731	112,640	55,698
64	West South Central.....	8,678	3,062	1,331	208,206	125,030	60,055	16,679	3,690	108	233,563	131,782	61,494
65	Mountain.....	315,319	137,018	60,679	108,769	87,414	43,457	2,695	855	1,202	426,783	225,287	105,338
66	Pacific.....	539,455	366,614	107,366	448,213	195,241	67,496	2,479	16,857	618	990,147	578,712	175,480
67	United States.....	2,471,081	1,349,087	438,472	4,946,532	2,693,273	1,394,395	111,035	55,828	12,181	7,528,648	4,098,188	1,845,048

NOTE.—The reduction from 1907 to 1912 in the State of Oregon arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. as central stations in 1907 and as electric railway stations in 1912. These should properly have been classified as central stations in 1912.

The term "Steam power" includes steam engines and steam turbines; "Water power," water wheels, turbines, and motors; and "Gas power," internal-combustion engines using either gas or oil fuel.



TABLE 17.—COMMERCIAL AND MUNICIPAL CENTRAL STATIONS AND STREET AND ELECTRIC RAILWAYS, PRIMARY POWER IN 1912, 1907, AND 1902—STEAM POWER, WATER POWER, AND GAS POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Water power.			Steam power.			Gas power.			Total power.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:												
2	Maine.....	95,502	46,766	16,371	34,136	31,459	21,583	135	0	0	129,773	78,225	37,954
3	New Hampshire.....	59,119	26,204	15,406	27,306	23,095	16,655	1,905	1,115	50	83,330	50,414	32,111
4	Vermont.....	39,927	31,222	16,436	17,996	12,589	8,447	95	205	125	58,018	44,026	25,008
5	Massachusetts.....	26,189	18,409	10,665	591,515	365,216	249,643	5,872	3,797	85	623,576	387,422	260,393
6	Rhode Island.....	2,440	2,263	1,925	91,784	53,808	28,810	1,125	1,000	0	95,349	57,071	30,735
7	Connecticut.....	20,334	19,983	7,211	140,867	80,662	52,018	885	706	406	162,086	101,351	59,635
8	Middle Atlantic:												
9	New York.....	530,921	315,435	137,430	1,273,422	819,079	423,648	9,186	5,290	2,105	1,813,529	1,139,804	563,183
10	New Jersey.....	1,569	1,794	1,005	264,683	182,415	98,465	2,360	1,328	431	268,612	185,537	99,901
11	Pennsylvania.....	133,018	31,488	7,188	753,468	559,766	304,694	22,393	10,519	2,783	908,879	601,773	314,665
12	East North Central:												
13	Ohio.....	10,690	3,287	2,276	648,155	406,091	231,814	11,502	5,878	1,005	670,347	415,256	235,095
14	Indiana.....	23,915	19,606	1,103	281,468	176,066	78,840	2,040	1,295	1,097	307,423	196,967	81,042
15	Illinois.....	42,562	11,631	10,055	774,807	484,991	251,213	3,042	870	692	820,411	497,492	261,960
16	Michigan.....	134,454	85,738	16,085	309,382	154,711	95,305	1,626	603	184	445,462	241,052	111,574
17	Wisconsin.....	94,284	22,461	11,722	169,279	96,642	63,498	8,500	4,079	910	272,063	123,182	76,130
18	West North Central:												
19	Minnesota.....	102,172	81,936	16,320	154,767	89,691	39,393	4,755	1,428	665	261,694	173,055	56,378
20	Iowa.....	7,029	3,833	2,399	123,906	74,692	56,780	2,658	564	400	133,593	79,089	59,579
21	Missouri.....	1,902	2,002	1,000	303,661	199,973	109,412	2,472	963	11	308,035	202,938	110,423
22	North Dakota.....	0	100	100	15,931	10,222	3,830	318	205	0	16,249	10,527	3,930
23	South Dakota.....	6,913	2,205	845	16,003	10,251	4,010	4,832	528	202	27,748	12,984	5,057
24	Nebraska.....	5,884	2,954	1,820	61,577	38,303	15,506	3,832	845	82	71,293	42,402	17,408
25	Kansas.....	8,820	8,661	1,034	91,077	44,895	15,964	10,711	2,803	0	110,608	56,359	16,998
26	South Atlantic:												
27	Delaware.....	826	285	0	23,825	14,515	7,385	250	0	0	24,901	14,800	7,385
28	Maryland and District of Columbia.....	3,223	1,347	275	198,822	155,344	66,613	823	130	80	202,868	156,824	66,968
29	Virginia.....	66,399	26,476	2,171	93,905	55,046	20,082	185	960	0	160,489	82,482	22,253
30	West Virginia.....	6,036	3,627	100	59,804	37,989	22,150	3,085	1,275	620	68,925	42,891	22,870
31	North Carolina.....	60,151	12,812	4,870	31,882	20,296	8,718	1,680	0	0	93,713	33,108	13,588
32	South Carolina.....	178,555	83,470	10,415	51,596	20,111	16,665	455	150	0	230,606	103,731	27,080
33	Georgia.....	82,487	42,132	11,591	84,625	48,108	29,554	3,720	3,140	0	170,832	93,380	41,145
34	Florida.....	7,100	1,400	1,400	43,429	23,018	8,709	1,175	865	0	51,704	25,283	10,409
35	East South Central:												
36	Kentucky.....	0	0	30	107,651	71,394	37,400	576	15	45	108,227	71,409	37,475
37	Tennessee.....	27,750	1,240	619	94,166	67,145	29,866	445	0	0	122,361	68,385	30,485
38	Alabama.....	9,880	7,007	0	73,504	45,592	19,945	19	20	25	83,403	52,619	19,970
39	Mississippi.....	0	0	0	40,307	26,361	10,215	40	25	0	40,347	26,386	10,215
40	West South Central:												
41	Arkansas.....	3,040	300	227	39,343	24,182	10,571	221	12	0	42,604	24,494	10,798
42	Louisiana.....	0	0	0	69,920	66,303	27,317	990	420	0	70,910	66,723	27,317
43	Oklahoma.....	2,135	0	0	55,196	24,223	4,407	6,266	200	0	63,597	24,423	4,407
44	Texas.....	3,503	2,762	1,104	154,308	84,579	41,055	9,877	3,058	108	167,658	90,399	42,267
45	Mountain:												
46	Montana.....	103,655	56,987	24,250	13,500	12,980	9,235	75	0	2	117,230	69,967	33,487
47	Idaho.....	51,850	11,492	3,934	4,525	2,202	1,480	0	0	50	56,375	13,694	5,514
48	Wyoming.....	1,334	765	75	10,162	4,360	2,654	100	0	500	11,596	5,125	3,229
49	Colorado.....	82,205	27,460	13,000	100,251	76,457	35,303	80	300	0	182,536	104,217	48,303
50	New Mexico.....	817	513	50	8,428	5,215	1,730	1,770	0	0	11,015	5,728	1,780
51	Arizona.....	9,300	750	0	13,375	6,926	2,140	0	70	650	22,675	7,746	2,790
52	Utah.....	74,688	44,271	18,410	27,186	3,869	2,950	0	0	0	101,874	48,140	21,360
53	Nevada.....	12,540	6,260	1,470	2,210	235	250	670	485	0	15,420	6,980	1,720
54	Pacific:												
55	Washington.....	269,641	61,018	18,563	71,895	48,553	18,823	165	90	0	341,701	109,661	37,386
56	Oregon.....	105,302	102,052	11,195	49,829	24,581	10,903	334	182	0	155,465	126,815	22,098
57	California.....	432,327	208,644	85,428	447,252	220,599	86,954	1,980	16,745	793	881,559	445,988	173,175
58	New England.....	243,511	144,847	68,014	903,604	566,829	377,156	10,017	6,823	666	1,157,132	718,499	445,836
59	Middle Atlantic.....	665,508	348,717	145,623	2,291,573	1,561,260	826,807	33,939	17,137	5,319	2,991,020	1,927,114	977,749
60	East North Central.....	305,905	142,723	41,243	2,183,091	1,318,501	720,670	26,710	12,725	3,888	2,515,706	1,473,949	765,801
61	West North Central.....	132,720	101,691	23,518	766,922	468,027	244,895	29,578	7,336	1,360	929,220	577,054	269,773
62	South Atlantic.....	404,777	171,549	30,822	587,888	374,427	179,876	11,373	6,520	700	1,004,038	552,496	211,398
63	East South Central.....	37,630	8,247	649	315,628	210,492	97,426	1,080	60	70	354,338	218,799	98,145
64	West South Central.....	8,678	3,062	1,331	318,767	199,287	83,350	17,354	3,690	108	344,799	206,039	84,789
65	Mountain.....	336,389	148,498	61,239	179,637	112,244	55,742	2,695	855	1,202	518,721	261,597	118,183
66	Pacific.....	807,270	371,714	115,186	568,976	293,733	116,680	2,479	17,017	793	1,378,725	682,464	232,659
67	United States.....	2,942,388	1,441,048	487,625	8,116,086	5,104,800	2,702,602	135,225	72,163	14,106	11,193,699	6,618,011	3,204,333

NOTE.—The term "Steam power" includes steam engines and steam turbines; "Water power," water wheels, turbines, and motors; and "Gas power," internal combustion engines using either gas or oil fuel.



TABLE 18.—PRIMARY POWER PER THOUSAND OF POPULATION, 1912, 1907, AND 1902, COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Commercial central stations.			Municipal central stations.			Street and electric railways.			Manufacturing plants.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:												
2	Maine.....	115.8	76.3	34.5	3.3	3.1	0.8	53.2	27.9	18.3	651.3	540.1	428.6
3	New Hampshire.....	190.9	107.9	67.2	2.9	2.2	.4	9.4	8.5	9.7	709.4	585.6	499.5
4	Vermont.....	121.5	95.4	58.9	18.9	14.0	10.0	21.4	15.5	3.3	426.0	403.8	379.9
5	Massachusetts.....	93.0	53.8	40.3	7.5	4.9	2.1	78.1	62.1	46.6	331.5	312.8	294.0
6	Rhode Island.....	88.7	54.6	38.7	.2	.2	.2	78.9	57.0	29.0	415.0	387.7	365.4
7	Connecticut.....	86.4	48.9	28.9	8.0	4.3	.9	45.1	42.7	32.8	352.3	320.4	292.5
8	Middle Atlantic:												
9	New York.....	120.2	82.6	41.5	1.4	1.5	.8	68.9	48.6	31.3	180.6	178.5	166.3
10	New Jersey.....	88.2	39.0	33.5	1.0	.7	.5	10.8	39.1	15.4	250.2	220.1	189.3
11	Pennsylvania.....	75.4	39.7	25.4	1.9	1.9	1.2	36.8	41.1	21.1	386.7	353.4	309.1
12	East North Central:												
13	Ohio.....	61.1	32.6	20.0	7.7	6.4	4.2	67.9	51.4	30.6	352.3	289.7	225.4
14	Indiana.....	56.2	36.4	16.0	11.4	7.7	5.2	44.5	30.3	10.5	250.0	184.7	137.9
15	Illinois.....	102.2	49.6	21.2	8.8	5.7	4.2	30.0	36.7	27.0	174.2	151.2	127.8
16	Michigan.....	114.1	56.6	18.0	16.1	11.7	7.9	23.6	21.1	18.7	200.7	179.9	160.9
17	Wisconsin.....	55.0	21.7	15.3	5.8	4.4	1.5	52.9	28.5	19.0	245.3	216.9	190.0
18	West North Central:												
19	Minnesota.....	59.1	52.7	13.7	9.9	8.7	5.5	52.9	25.8	11.8	139.8	123.7	108.8
20	Iowa.....	28.7	16.6	15.1	6.0	4.4	2.6	25.4	14.5	9.0	68.1	57.2	49.1
21	Missouri.....	49.6	30.7	12.2	5.0	3.7	2.2	37.8	28.2	20.7	100.2	83.7	67.9
22	North Dakota.....	22.0	17.6	7.9	3.5	2.8	2.6	.1	.5	0	21.3	21.9	23.1
23	South Dakota.....	40.2	21.1	9.9	4.2	3.3	1.6	0	0	0	30.4	26.3	25.6
24	Nebraska.....	33.1	22.3	10.0	9.6	3.7	1.3	15.7	10.4	4.7	53.0	44.7	39.1
25	Kansas.....	47.0	25.1	7.7	9.5	4.6	1.0	7.1	4.9	2.5	151.7	98.0	56.0
26	South Atlantic:												
27	Delaware.....	14.7	32.6	4.1	7.9	6.8	4.3	98.2	35.6	30.8	233.6	244.8	238.1
28	Maryland and District of Columbia.....	62.7	47.5	18.2	2.5	1.6	.6	56.8	50.1	25.8	144.5	125.6	107.2
29	Virginia.....	23.0	5.4	2.2	5.3	1.9	.6	47.9	33.9	8.9	156.2	115.5	83.2
30	West Virginia.....	32.4	17.3	9.2	1.3	1.4	1.4	20.1	18.7	11.9	200.6	159.0	117.8
31	North Carolina.....	24.2	6.6	2.3	4.3	3.2	1.0	12.6	5.9	3.6	167.5	130.7	96.9
32	South Carolina.....	138.0	55.6	14.5	2.6	1.8	.9	7.8	13.4	4.3	169.1	147.9	115.0
33	Georgia.....	26.3	17.9	4.3	6.4	4.0	1.2	30.7	15.5	12.4	115.2	100.2	79.3
34	Florida.....	20.7	9.3	7.3	21.4	11.6	3.3	22.3	15.8	6.9	140.6	99.9	69.3
35	East South Central:												
36	Kentucky.....	32.0	16.6	9.0	3.2	2.0	.9	11.4	13.1	7.4	106.7	88.7	73.2
37	Tennessee.....	25.9	10.2	7.4	5.1	3.2	1.8	24.0	18.5	5.6	117.0	96.3	75.8
38	Alabama.....	12.7	10.7	3.5	2.9	2.2	.5	22.2	12.8	6.5	172.8	158.6	128.9
39	Mississippi.....	10.8	4.3	3.0	5.7	4.7	1.8	5.3	6.3	1.6	140.4	96.2	57.4
40	West South Central:												
41	Arkansas.....	12.2	7.4	5.4	3.7	1.9	.8	10.3	7.0	1.7	127.0	97.3	71.1
42	Louisiana.....	12.4	12.0	8.6	3.4	2.7	1.0	25.5	27.5	9.4	227.4	191.4	156.3
43	Oklahoma.....	22.7	14.5	4.2	6.5	1.6	.4	5.2	1.3	0	47.5	36.2	22.6
44	Texas.....	29.0	18.9	10.1	1.9	.8	.7	10.0	5.1	2.3	81.2	61.4	43.9
45	Mountain:												
46	Montana.....	282.9	202.3	116.6	2.3	1.0	.9	3.7	3.4	5.9	188.7	163.9	157.4
47	Idaho.....	152.6	48.0	27.8	3.0	1.0	0	0	0	.3	141.5	105.6	61.8
48	Wyoming.....	71.7	39.1	31.1	1.7	0	0	0	0	0	58.6	43.5	35.3
49	Colorado.....	153.0	112.3	64.2	3.4	1.3	.2	56.6	30.0	16.9	174.2	181.5	150.7
50	New Mexico.....	28.8	15.7	8.0	2.0	0	0	0	4.1	0	45.1	33.2	22.0
51	Arizona.....	99.2	42.7	18.1	0	0	0	2.7	0	1.8	200.2	165.4	115.3
52	Utah.....	142.6	96.0	68.4	10.8	.8	.4	104.5	35.2	3.0	106.1	75.1	48.2
53	Nevada.....	170.0	98.7	33.9	0	0	0	0	0	0	81.1	59.3	39.3
54	Pacific:												
55	Washington.....	29.8	64.0	34.3	44.9	5.6	.9	191.7	43.9	22.3	259.8	230.8	197.1
56	Oregon.....	56.6	210.5	37.3	6.4	1.0	.7	149.8	0	9.2	287.9	211.5	147.5
57	California.....	325.4	178.6	79.3	3.7	2.5	1.3	12.9	28.9	22.9	92.2	92.2	89.4
58	New England.....	101.8	61.6	40.7	6.8	4.6	2.0	62.3	48.2	34.3	406.9	370.1	335.5
59	Middle Atlantic.....	98.2	59.9	34.0	1.6	1.5	.9	48.4	44.4	25.2	271.1	253.7	227.0
60	East North Central.....	80.5	40.7	18.8	9.6	6.9	4.6	44.0	36.1	23.1	244.9	205.2	167.9
61	West North Central.....	43.4	29.1	11.9	7.1	4.8	2.6	27.5	17.3	10.9	96.1	78.1	63.0
62	South Atlantic.....	44.0	22.1	7.4	5.3	3.1	1.1	30.4	22.0	11.0	154.3	125.9	97.5
63	East South Central.....	20.9	10.8	6.0	4.2	3.0	1.2	16.1	13.0	5.5	133.6	109.9	84.3
64	West South Central.....	21.7	14.7	8.1	3.4	1.5	.7	12.0	9.1	3.3	109.6	88.8	69.3
65	Mountain.....	146.3	93.6	55.9	3.6	1.8	.3	32.3	15.4	6.8	139.1	123.7	98.8
66	Pacific.....	200.1	153.8	61.8	15.7	3.0	1.1	84.7	28.1	20.5	170.2	147.9	124.2
67	United States.....	73.0	43.2	21.2	5.9	3.7	2.0	38.4	28.8	17.1	201.6	175.7	148.6

NOTE.—The reduction from 1907 to 1912 in commercial central stations in the States of Oregon and Washington and the increase in street and electric railways during the same period arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. and by the Puget Sound Traction, Light & Power Co. as central stations in 1907 and as electric railway stations in 1912. Both should properly have been classified as central stations in 1912.

Figures for primary power in manufacturing plants are given in the Census for Manufactures, 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907 and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.



TABLE 19.—PRIMARY POWER PER THOUSAND OF POPULATION, 1912, 1907, AND 1902, TOTAL, CENTRAL STATIONS, AND CENTRAL STATIONS AND STREET AND ELECTRIC RAILWAYS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER.

		Commercial and municipal.			Central stations and electric railways.			Total.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:									
2	Maine.....	119.1	79.4	35.3	172.3	107.3	53.6	823.7	647.6	482.5
3	New Hampshire.....	193.8	110.1	67.6	203.2	118.6	77.3	912.6	704.2	576.8
4	Vermont.....	140.4	109.4	68.9	161.8	124.9	72.2	587.7	528.6	452.1
5	Massachusetts.....	100.5	58.7	42.4	178.6	120.8	89.0	510.2	433.5	383.0
6	Rhode Island.....	88.9	54.8	38.9	167.8	111.8	67.9	582.9	499.5	433.3
7	Connecticut.....	94.4	53.2	29.8	139.5	95.9	62.6	491.9	416.4	355.1
8	Middle Atlantic:									
9	New York.....	121.6	84.1	42.3	190.5	132.7	73.6	371.0	311.1	239.8
10	New Jersey.....	89.2	39.7	34.0	100.0	78.8	49.4	350.2	299.1	238.7
11	Pennsylvania.....	77.3	41.6	26.6	114.1	82.7	47.7	500.8	436.1	351.9
12	East North Central:									
13	Ohio.....	68.8	39.0	24.2	136.7	90.4	54.8	489.0	380.0	280.2
14	Indiana.....	67.6	44.1	21.2	112.1	74.4	31.7	362.1	259.1	169.7
15	Illinois.....	111.0	55.3	25.4	141.0	92.0	52.4	315.2	243.2	180.2
16	Michigan.....	130.2	68.3	25.9	153.8	89.4	44.6	354.5	269.2	205.5
17	Wisconsin.....	60.8	26.1	16.8	113.7	54.6	35.8	358.9	271.4	225.9
18	West North Central:									
19	Minnesota.....	69.0	61.4	19.2	121.9	87.2	31.0	261.6	210.9	139.8
20	Iowa.....	34.7	21.0	17.7	60.1	35.5	26.7	128.1	92.7	75.7
21	Missouri.....	54.6	34.4	14.4	92.4	62.6	35.1	192.6	146.4	103.0
22	North Dakota.....	25.5	20.4	10.5	25.6	20.9	10.5	46.8	42.8	33.6
23	South Dakota.....	44.4	24.4	11.5	44.4	24.4	11.5	74.8	50.7	37.1
24	Nebraska.....	42.7	26.0	11.3	58.4	36.4	16.0	111.4	81.1	55.1
25	Kansas.....	56.5	29.7	8.7	63.6	34.6	11.2	215.3	132.6	67.2
26	South Atlantic:									
27	Delaware.....	22.6	39.4	8.4	120.8	75.0	39.2	354.3	319.8	277.3
28	Maryland and District of Columbia.....	65.2	49.1	18.8	122.0	99.2	44.6	266.6	224.8	151.9
29	Virginia.....	28.3	7.3	2.8	76.2	41.2	11.7	232.4	156.7	94.9
30	West Virginia.....	33.7	18.7	10.6	53.8	37.4	22.5	254.4	196.4	140.3
31	North Carolina.....	28.5	9.8	3.3	41.1	15.7	6.9	208.6	146.3	103.8
32	South Carolina.....	140.6	57.4	15.4	148.4	70.8	19.7	317.4	218.7	134.7
33	Georgia.....	32.7	21.9	5.5	63.4	37.4	17.9	178.4	137.5	97.2
34	Florida.....	42.1	20.9	10.6	64.4	36.7	17.5	205.1	136.5	86.8
35	East South Central:									
36	Kentucky.....	35.2	18.6	9.9	46.6	31.7	17.3	153.3	120.5	90.5
37	Tennessee.....	31.0	13.4	9.2	55.0	31.9	14.8	172.1	128.3	90.6
38	Alabama.....	15.6	12.9	4.0	37.8	25.7	10.5	210.6	184.3	139.5
39	Mississippi.....	16.5	9.0	4.8	21.8	15.3	6.4	162.2	111.4	63.8
40	West South Central:									
41	Arkansas.....	15.9	9.3	6.2	26.2	16.3	7.9	153.1	113.6	78.9
42	Louisiana.....	15.8	14.7	9.6	41.3	42.2	19.0	268.7	233.7	175.2
43	Oklahoma.....	29.2	16.1	4.6	34.4	17.4	4.6	81.8	53.5	27.1
44	Texas.....	30.9	19.7	10.8	40.9	24.8	13.1	122.3	86.1	57.0
45	Mountain:									
46	Montana.....	285.2	203.3	117.5	288.9	206.7	123.4	477.6	370.6	280.8
47	Idaho.....	155.6	49.0	27.8	155.6	49.0	28.1	297.1	154.7	89.8
48	Wyoming.....	73.4	39.1	31.1	73.4	39.1	31.1	132.0	82.6	66.5
49	Colorado.....	156.4	113.6	64.4	213.0	143.6	81.3	387.2	325.1	232.0
50	New Mexico.....	30.8	15.7	8.0	30.8	19.8	8.0	76.1	52.9	29.9
51	Arizona.....	99.2	42.7	18.1	101.9	42.7	19.9	302.1	208.1	135.2
52	Utah.....	153.4	96.8	68.8	257.9	132.0	71.8	364.0	214.2	120.1
53	Nevada.....	170.0	98.7	33.9	170.0	98.7	33.9	251.2	157.8	73.5
54	Pacific:									
55	Washington.....	74.7	69.6	35.2	266.4	113.5	57.5	526.4	344.3	254.7
56	Oregon.....	63.0	211.5	38.0	212.8	211.5	47.2	500.6	423.0	194.8
57	California.....	329.1	181.1	80.6	342.0	210.0	103.5	434.2	302.1	192.9
58	New England.....	108.6	66.2	42.7	170.9	114.4	77.0	577.9	484.6	412.4
59	Middle Atlantic.....	99.8	61.4	34.9	148.2	105.8	60.1	419.3	359.4	287.1
60	East North Central.....	90.1	47.6	23.4	134.1	83.7	46.5	379.0	288.9	214.5
61	West North Central.....	50.5	33.9	14.5	78.0	51.2	25.4	174.0	129.4	88.5
62	South Atlantic.....	48.3	25.2	8.5	79.7	47.2	19.5	234.0	173.1	117.1
63	East South Central.....	25.1	13.8	7.2	41.2	26.8	12.7	174.8	136.6	97.0
64	West South Central.....	25.1	16.2	8.8	37.1	25.3	12.1	146.8	114.0	81.5
65	Mountain.....	149.9	95.4	56.2	182.2	110.8	63.0	321.3	234.4	161.8
66	Pacific.....	215.8	156.8	62.9	300.5	184.9	83.4	470.6	332.8	207.6
67	United States.....	78.9	46.9	23.2	117.3	75.7	40.3	318.8	251.3	188.9

NOTE.—The reduction from 1907 to 1912 in commercial and municipal central stations in the State of Oregon arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. as central stations in 1907 and as electric railway stations in 1912. These should properly have been classified as central stations in 1912.

Figures for primary power in manufacturing plants are given in the Census for Manufactures, 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.

TABLE 20.—HORSEPOWER CAPACITY OF WATER WHEELS AND OF ELECTRIC STATIONS, AND CAPACITY LOAD FACTORS, 1912, 1907, AND 1902; PRIMARY POWER AND GENERATOR CAPACITY IN HORSEPOWER AND AVERAGE POWER GENERATED IN HORSEPOWER YEARS IN 1912; IN COMMERCIAL AND MUNICIPAL CENTRAL STATIONS AND STREET AND ELECTRIC RAILWAYS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Horsepower capacity of water wheels.			Horsepower capacity of central stations.			Capacity load factors.			Primary power (horsepower).	Generator capacity (horsepower).	Power generated (horsepower-years).
		1912	1907	1902	1912	1907	1902	1912	1907	1902			
	New England:												
1	Maine.....	480	285	213	1,135	715	479	0.218	0.206	0.221	129,773	120,588	26,251
2	New Hampshire.....	505	254	198	1,428	836	551	.250	.192	.183	88,330	81,074	20,228
3	Vermont.....	360	292	200	825	643	459	.200	.146	.212	58,018	48,524	9,722
4	Massachusetts.....	403	252	198	2,999	1,569	1,089	.213	.245	.195	623,576	603,316	128,587
5	Rhode Island.....	188	141	175	6,312	3,998	2,514	.203	.255	.319	95,349	93,946	19,043
6	Connecticut.....	384	351	212	2,493	1,372	747	.228	.237	.242	162,086	152,193	34,675
	Middle Atlantic:												
7	New York.....	1,218	817	525	3,612	2,298	1,265	.317	.349	.413	1,813,529	1,629,890	517,244
8	New Jersey.....	87	82	72	3,741	1,462	1,074	.235	.265	.238	268,612	272,300	63,939
9	Pennsylvania.....	943	254	138	2,168	926	628	.288	.264	.270	908,879	840,970	242,230
	East North Central:												
10	Ohio.....	281	126	152	1,110	659	445	.242	.270	.223	670,347	640,390	155,015
11	Indiana.....	266	236	92	924	584	302	.228	.230	.257	307,423	306,522	69,738
12	Illinois.....	405	135	186	2,402	781	367	.293	.323	.229	820,411	809,760	237,537
13	Michigan.....	513	344	141	1,607	787	323	.255	.261	.250	445,462	390,657	99,544
14	Wisconsin.....	453	135	130	579	286	235	.208	.189	.167	272,063	243,738	50,624
	West North Central:												
15	Minnesota.....	824	987	418	760	713	252	.182	.191	.245	261,694	231,914	42,201
16	Iowa.....	121	87	77	346	244	234	.179	.163	.177	133,593	128,921	23,094
17	Missouri.....	380	400	500	958	687	368	.266	.332	.281	308,035	288,008	76,745
18	North Dakota.....	0	100	100	385	354	187	.128	.155	.328	16,249	14,772	1,890
19	South Dakota.....	461	184	121	360	351	181	.141	.155	.167	27,748	26,843	3,787
20	Nebraska.....	134	155	202	300	306	228	.227	.212	.226	71,293	64,335	14,590
21	Kansas.....	339	241	94	559	436	218	.221	.216	.169	110,608	104,607	23,088
	South Atlantic:												
22	Delaware.....	103	57	0	332	598	158	.184	.113	.254	24,901	21,567	3,961
23	Maryland and District of Columbia.....	129	104	46	2,582	2,097	832	.118	.245	.254	202,868	198,885	23,560
24	Virginia.....	722	384	145	890	287	147	.142	.194	.182	160,489	156,105	22,232
25	West Virginia.....	431	330	100	745	446	264	.235	.237	.183	68,925	66,688	15,666
26	North Carolina.....	792	246	152	691	291	173	.165	.164	.158	93,713	82,261	13,598
27	South Carolina.....	2,028	1,439	1,157	3,581	2,103	884	.297	.170	.165	230,606	188,921	56,043
28	Georgia.....	1,161	843	400	698	588	294	.144	.179	.206	170,832	151,207	21,781
29	Florida.....	645	175	175	677	388	235	.160	.193	.197	51,704	48,681	7,807
	East South Central:												
30	Kentucky.....	0	0	30	919	506	369	.245	.215	.225	108,227	93,622	22,904
31	Tennessee.....	867	89	77	767	368	352	.210	.241	.192	122,361	114,825	24,115
32	Alabama.....	659	467	0	500	480	305	.263	.251	.225	83,403	76,751	20,168
33	Mississippi.....	0	0	0	372	228	178	.152	.207	.179	40,347	38,207	5,807
	West South Central:												
34	Arkansas.....	304	300	114	349	221	201	.160	.187	.210	42,604	40,792	6,535
35	Louisiana.....	0	0	0	543	555	551	.230	.257	.312	70,910	69,759	16,033
36	Oklahoma.....	305	0	0	415	314	220	.162	.182	.145	63,597	61,548	9,998
37	Texas.....	195	133	92	500	330	255	.213	.206	.217	167,688	153,008	32,633
	Mountain:												
38	Montana.....	1,548	919	539	3,990	2,085	1,181	.578	.389	.190	117,230	101,127	58,409
39	Idaho.....	823	311	166	1,484	326	287	.372	.155	.212	56,375	47,779	17,754
40	Wyoming.....	121	128	75	580	285	248	.161	.196	.242	11,596	11,004	1,775
41	Colorado.....	1,142	528	302	1,836	1,472	797	.297	.283	.318	182,536	135,822	40,335
42	New Mexico.....	91	86	50	525	303	162	.129	.129	.306	11,015	10,695	1,384
43	Arizona.....	2,325	188	0	1,380	516	195	.254	.217	.244	22,675	20,302	5,158
44	Utah.....	1,009	805	708	1,346	1,160	1,279	.221	.228	.257	101,874	84,199	18,623
45	Nevada.....	965	695	368	1,928	776	344	.489	.595	.226	15,420	14,088	6,894
	Pacific:												
46	Washington.....	2,520	1,197	404	1,370	947	572	.278	.341	.198	341,701	281,284	78,309
47	Oregon.....	1,196	1,418	243	697	2,078	456	.367	.325	.195	155,465	95,349	35,013
48	California.....	2,079	1,199	606	7,575	2,981	1,173	.328	.313	.212	881,559	821,082	269,615
	New England.....	432	279	202	2,000	1,139	786	.217	.232	.211	1,157,132	1,099,641	238,506
50	Middle Atlantic.....	1,119	656	444	3,000	1,589	948	.300	.315	.343	2,991,020	2,743,160	823,413
51	East North Central.....	435	234	145	1,336	645	347	.256	.275	.227	2,515,706	2,391,067	612,458
52	West North Central.....	488	508	235	560	477	259	.216	.237	.240	929,220	859,400	185,395
53	South Atlantic.....	1,051	645	308	1,211	756	369	.180	.201	.210	1,004,038	914,315	164,648
54	East South Central.....	801	284	72	654	396	310	.226	.231	.209	354,338	323,405	72,994
55	West South Central.....	248	128	95	460	333	274	.201	.216	.239	344,799	325,107	65,199
56	Mountain.....	1,075	643	425	1,707	1,030	693	.354	.292	.257	518,721	425,016	150,332
57	Pacific.....	2,003	1,252	494	3,990	2,216	904	.320	.320	.208	1,378,725	1,197,715	382,937
	United States.....	887	532	315	1,446	869	509	.262	.274	.258	11,193,699	10,278,826	2,695,882

NOTE.—The reduction in horsepower capacity of central stations from 1907 to 1912 in the State of Oregon arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. as central stations in 1907 and as electric railway stations in 1912. These should properly have been classified as central stations in 1912.

The capacity load factors have been computed by dividing the combined average annual output in kilowatt-years of the commercial and municipal central stations and the street and electric railway stations by the combined capacity in kilowatts of the electric generators in such stations.



TABLE 21.—RATIOS OF COMMERCIAL CENTRAL STATION POWER AND OF WATER POWER TO TOTAL PRIMARY POWER, 1912, 1907, AND 1902, AND PERCENTAGE INCREASES IN WATER POWER, STEAM POWER, AND TOTAL POWER, 1902 TO 1912, 1907 TO 1912, AND 1902 TO 1907, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Ratio, commercial central stations to total power.			Ratio of water power to total power.			Increase in water power in per cent of total power.			Percentage increases, 1902 to 1912.		
		1912	1907	1902	1912	1907	1902	1902 to 1907	1907 to 1912	1902 to 1907	Total power.	Steam power.	Water power.
	New England:												
1	Maine.....	0.141	0.118	0.072	0.624	0.600	0.593	0.031	0.024	0.007	82.4	70.8	91.9
2	New Hampshire.....	.209	.153	.117	.514	.478	.492	.022	.036	— .014	65.5	65.2	72.9
3	Vermont.....	.207	.180	.130	.573	.586	.595	— .022	— .013	— .009	34.7	44.0	29.6
4	Massachusetts.....	.182	.124	.105	.120	.146	.173	— .053	— .026	— .027	59.0	69.1	10.9
5	Rhode Island.....	.152	.109	.089	.106	.129	.157	— .051	— .023	— .028	68.8	80.8	14.4
6	Connecticut.....	.176	.117	.081	.173	.207	.219	— .046	— .034	— .012	68.9	76.8	32.8
	Middle Atlantic:												
7	New York.....	.324	.266	.173	.254	.273	.293	— .039	— .019	— .020	92.3	108.1	66.0
8	New Jersey.....	.252	.131	.140	.024	.030	.041	— .017	— .006	— .011	94.7	98.6	10.7
9	Pennsylvania.....	.151	.091	.071	.048	.027	.025	.023	.021	.002	69.6	62.6	221.5
	East North Central:												
10	Ohio.....	.125	.086	.071	.011	.012	.017	— .006	— .001	— .005	99.6	93.6	25.9
11	Indiana.....	.155	.140	.095	.031	.041	.027	.004	— .010	.014	129.2	99.3	162.7
12	Illinois.....	.324	.204	.117	.029	.019	.026	.003	.010	— .007	103.7	104.1	127.0
13	Michigan.....	.322	.210	.088	.173	.174	.106	.067	— .001	.068	99.6	84.8	228.0
14	Wisconsin.....	.153	.080	.068	.273	.237	.243	.030	— .036	— .006	79.0	68.2	101.0
	West North Central:												
15	Minnesota.....	.226	.250	.098	.311	.318	.194	.117	— .007	.124	121.0	88.7	254.5
16	Iowa.....	.224	.179	.199	.047	.050	.055	— .008	— .003	— .005	68.6	68.5	44.6
17	Missouri.....	.257	.209	.119	.009	.012	.014	— .005	— .003	— .002	98.0	99.0	26.0
18	North Dakota.....	.470	.410	.236	.022	.025	.039	— .017	— .003	— .014	136.5	137.7	32.1
19	South Dakota.....	.538	.416	.268	.166	.119	.118	.048	.047	.001	186.6	138.4	303.6
20	Nebraska.....	.297	.275	.181	.099	.110	.152	— .053	— .011	— .042	125.9	133.5	46.9
21	Kansas.....	.218	.189	.115	.046	.074	.078	— .032	— .028	— .004	267.6	255.3	116.1
	South Atlantic:												
22	Delaware.....	.041	.102	.015	.082	.087	.102	— .020	— .005	— .015	39.9	44.7	12.0
23	Maryland and District of Columbia.....	.235	.211	.120	.038	.038	.050	— .012	0	— .012	94.5	100.5	47.1
24	Virginia.....	.099	.034	.023	.251	.204	.151	.100	.047	.053	171.8	140.8	353.2
25	West Virginia.....	.127	.088	.066	.059	.056	.043	.016	.003	.013	128.9	115.2	213.8
26	North Carolina.....	.116	.045	.022	.232	.159	.165	.067	.073	— .006	133.3	112.9	228.0
27	South Carolina.....	.435	.254	.108	.449	.371	.216	.233	.078	.155	166.1	85.4	452.2
28	Georgia.....	.147	.130	.044	.232	.206	.169	.063	.026	.037	115.5	95.1	196.0
29	Florida.....	.101	.068	.085	.044	.016	.030	.014	.028	— .014	228.9	220.3	381.4
	East South Central:												
30	Kentucky.....	.209	.138	.099	.016	.019	.023	— .007	— .003	— .004	80.8	80.5	30.1
31	Tennessee.....	.151	.080	.082	.098	.040	.059	.039	.058	— .019	105.4	96.6	238.5
32	Alabama.....	.060	.058	.025	.057	.051	.036	.021	.006	.015	75.9	70.0	179.0
33	Mississippi.....	.066	.038	.047	.001	.001	.002	— .001	0	— .001	193.7	193.1	75.4
	West South Central:												
34	Arkansas.....	.080	.065	.068	.015	.006	.008	.007	.009	— .002	131.5	129.1	332.6
35	Louisiana.....	.046	.052	.049	0	0	.001	— .001	0	— .001	82.9	81.2	—100.0
36	Oklahoma.....	.277	.270	.153	.019	.004	.005	.014	.015	— .001	473.2	406.9	2,107.0
37	Texas.....	.237	.219	.178	.010	.015	.017	— .007	— .005	— .002	171.7	157.7	66.7
	Mountain:												
38	Montana.....	.592	.546	.415	.616	.553	.451	.165	.063	.102	154.3	77.4	247.5
39	Idaho.....	.514	.310	.309	.512	.309	.299	.213	.203	.010	510.1	329.6	944.1
40	Wyoming.....	.543	.474	.469	.089	.111	.075	.014	— .022	.036	202.6	240.0	256.9
41	Colorado.....	.395	.345	.277	.251	.124	.108	.143	.127	.016	140.7	102.9	460.4
42	New Mexico.....	.379	.296	.266	.031	.040	.030	.001	— .009	.010	305.5	297.0	320.9
43	Arizona.....	.328	.205	.134	.139	.025	.017	.122	.114	.008	255.1	244.2	2,820.6
44	Utah.....	.666	.448	.570	.539	.639	.609	— .070	— .100	.030	303.1	398.6	257.1
45	Nevada.....	.677	.625	.463	.558	.610	.618	— .060	— .052	— .008	513.5	661.8	453.5
	Pacific:												
46	Washington.....	.267	.186	.135	.415	.204	.146	.269	.211	.058	308.0	180.7	1,061.3
47	Oregon.....	.408	.498	.192	.462	.547	.343	.119	— .085	.204	301.2	230.2	439.3
48	California.....	.750	.591	.411	.394	.337	.284	.110	.057	.053	246.8	201.0	380.3
49	New England.....	.176	.127	.098	.271	.284	.297	— .026	— .013	— .013	63.6	70.4	49.0
50	Middle Atlantic.....	.234	.167	.118	.131	.128	.132	— .001	.003	— .004	81.1	81.0	79.3
51	East North Central.....	.213	.141	.088	.074	.068	.064	.010	.006	.004	101.3	93.1	130.6
52	West North Central.....	.249	.225	.135	.112	.123	.088	.024	— .011	.035	121.3	110.7	182.0
53	South Atlantic.....	.188	.128	.063	.209	.166	.129	.080	.043	.037	133.0	109.9	277.7
54	East South Central.....	.120	.079	.062	.047	.032	.034	.013	.015	— .002	100.6	96.7	177.7
55	West South Central.....	.148	.128	.099	.009	.007	.008	.001	.002	— .001	138.9	129.5	168.4
56	Mountain.....	.499	.399	.345	.393	.305	.262	.131	.088	.043	201.4	151.4	352.7
57	Pacific.....	.541	.462	.298	.412	.344	.254	.158	.068	.090	272.8	198.3	504.6
	United States.....	.238	.172	.112	.160	.145	.137	.023	.015	.008	103.1	95.5	136.7

NOTE.—The Census figures for primary power in central stations in 1912 have been corrected for the States of Oregon, Washington, and Utah. In each State the Census Bureau classified certain stations as central stations in 1907 and as electric railway stations in 1912, although in the latter year also they should properly have been classified as central stations.

The figures for increase in water power in per cent of total power are the arithmetic differences between the percentages which water power is of total power at the end of each period and the percentages at the beginning of such periods. Positive figures indicate more rapid development of water power than of other power, while negative figures indicate a less rapid development of water power. The figures in the last three columns represent the actual percentages of increase in each class of power.

TABLE 22.—TOTAL ELECTRIC POWER GENERATED IN 1912, 1907, AND 1902, AND ESTIMATED POPULATION ON JULY 1 OF SAME YEARS, BY STATES AND BY GEOGRAPHIC DIVISIONS, POWER IN HORSEPOWER YEARS.

		Electric power generated.			Population.		
		1912	1907	1902	1912	1907	1902
	New England:						
1	Maine.....	33,267	19,476	9,933	753,085	728,828	704,573
2	New Hampshire.....	28,792	12,264	5,898	434,818	425,205	415,593
3	Vermont.....	12,061	6,106	4,111	358,710	352,475	346,239
4	Massachusetts.....	220,098	139,577	57,323	3,491,888	3,207,801	2,923,716
5	Rhode Island.....	27,101	19,656	11,142	568,114	510,367	452,616
6	Connecticut.....	54,437	33,882	17,106	1,160,898	1,056,426	951,950
	Middle Atlantic:						
7	New York.....	645,297	451,666	221,035	9,526,146	8,592,111	7,658,076
8	New Jersey.....	111,806	78,763	31,447	2,683,309	2,352,424	2,021,539
9	Pennsylvania.....	519,863	290,894	137,953	7,969,916	7,279,792	6,589,667
	East North Central:						
10	Ohio.....	262,951	167,897	67,232	4,903,439	4,594,793	4,286,148
11	Indiana.....	127,543	67,516	23,364	2,742,117	2,648,743	2,555,368
12	Illinois.....	347,884	215,156	74,327	5,821,305	5,407,612	4,993,922
13	Michigan.....	119,315	60,947	30,045	2,897,207	2,700,149	2,503,089
14	Wisconsin.....	75,300	34,470	16,275	2,393,081	2,258,997	2,124,911
	West North Central:						
15	Minnesota.....	47,946	31,935	13,279	2,148,235	1,984,025	1,819,815
16	Iowa.....	29,091	14,671	9,730	2,223,189	2,226,775	2,230,360
17	Missouri.....	99,726	73,302	33,976	3,335,080	3,240,562	3,146,047
18	North Dakota.....	1,984	1,329	941	634,731	504,144	373,557
19	South Dakota.....	3,864	2,134	677	624,658	532,346	440,033
20	Nebraska.....	16,860	9,534	4,675	1,220,371	1,156,618	1,092,864
21	Kansas.....	34,464	15,626	3,524	1,742,249	1,628,626	1,517,004
	South Atlantic:						
22	Delaware.....	7,393	2,997	1,951	206,255	197,352	188,446
23	Maryland and District of Columbia.....	28,054	39,635	19,215	1,662,119	1,581,282	1,500,446
24	Virginia.....	28,044	18,536	5,196	2,107,998	2,002,971	1,897,944
25	West Virginia.....	23,770	13,643	4,058	1,279,781	1,146,962	1,014,141
26	North Carolina.....	20,141	7,967	2,371	2,276,165	2,117,949	1,959,734
27	South Carolina.....	64,406	19,079	6,426	1,554,554	1,465,905	1,377,254
28	Georgia.....	25,690	17,346	7,976	2,696,961	2,498,080	2,299,199
29	Florida.....	8,697	4,853	2,275	802,729	689,272	575,816
	East South Central:						
30	Kentucky.....	29,724	17,058	9,147	2,321,823	2,249,555	2,177,285
31	Tennessee.....	28,579	17,677	6,244	2,221,503	2,138,377	2,055,251
32	Alabama.....	31,350	17,466	5,618	2,207,283	2,050,625	1,893,970
33	Mississippi.....	6,976	5,355	2,075	1,852,092	1,727,614	1,603,136
	West South Central:						
34	Arkansas.....	7,609	4,942	2,469	1,633,238	1,500,129	1,367,024
35	Louisiana.....	22,131	17,518	7,926	1,717,834	1,578,713	1,439,593
36	Oklahoma.....	10,643	4,445	614	1,850,987	1,412,120	973,252
37	Texas.....	39,236	20,034	9,954	4,086,141	3,656,859	3,227,577
	Mountain:						
38	Montana.....	58,409	21,881	6,528	405,734	338,531	271,330
39	Idaho.....	19,758	1,894	951	362,229	279,281	196,333
40	Wyoming.....	1,841	884	615	157,914	130,860	103,804
41	Colorado.....	47,740	30,116	14,336	857,016	725,714	594,409
42	New Mexico.....	1,659	951	410	356,819	289,987	223,157
43	Arizona.....	9,238	3,412	1,362	222,563	181,334	140,108
44	Utah.....	20,147	13,638	5,394	394,953	346,041	297,128
45	Nevada.....	10,128	6,017	231	90,718	70,698	50,678
	Pacific:						
46	Washington.....	83,335	46,517	6,667	1,281,508	965,616	649,724
47	Oregon.....	38,422	15,472	3,876	730,736	599,482	468,227
48	California.....	281,852	124,951	32,082	2,577,137	2,125,238	1,673,343
49	New England.....	375,756	230,961	105,513	6,767,513	6,281,102	5,794,687
50	Middle Atlantic.....	1,276,966	821,323	390,435	20,179,371	18,224,327	16,269,282
51	East North Central.....	932,993	545,986	211,243	18,757,149	17,610,294	16,463,438
52	West North Central.....	233,935	148,531	66,802	11,926,513	11,273,096	10,619,680
53	South Atlantic.....	206,195	124,056	49,468	12,586,562	11,699,773	10,812,980
54	East South Central.....	96,629	57,556	23,084	8,602,701	8,166,171	7,729,642
55	West South Central.....	79,619	46,939	20,963	9,288,200	8,147,821	7,007,447
56	Mountain.....	168,920	78,793	29,827	2,847,946	2,362,446	1,876,946
57	Pacific.....	403,609	186,940	42,625	4,589,381	3,690,336	2,791,294
	United States.....	3,774,622	2,241,085	939,960	95,545,336	87,455,366	79,365,396



TABLE 23.—ELECTRIC POWER GENERATED IN 1912, 1907, AND 1902, COMMERCIAL CENTRAL STATIONS, MUNICIPAL CENTRAL STATIONS, AND STREET AND ELECTRIC RAILWAYS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER YEARS.

		Commercial central stations.			Municipal central stations.			Street and electric railways.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:									
2	Maine.....	17,634	9,842	3,284	316	297	87	8,301	4,466	3,921
3	New Hampshire.....	19,336	8,348	4,147	71	123	50	821	452	793
4	Vermont.....	8,069	4,010	2,852	600	577	578	1,053	634	277
5	Massachusetts.....	54,968	31,638	18,644	4,245	1,999	643	69,374	56,676	29,040
6	Rhode Island.....	9,503	5,443	3,575	18	22	18	9,522	8,855	5,454
7	Connecticut.....	19,267	9,842	3,970	765	492	129	14,643	11,942	8,338
8	Middle Atlantic:									
9	New York.....	331,138	220,954	106,546	2,297	1,672	1,035	183,809	148,510	77,098
10	New Jersey.....	58,510	21,363	11,937	340	179	134	5,089	27,256	9,877
11	Pennsylvania.....	149,848	61,729	35,270	1,868	2,129	1,690	90,514	80,269	41,374
12	East North Central:									
13	Ohio.....	55,160	28,823	15,565	6,022	4,491	3,971	93,833	68,953	28,487
14	Indiana.....	31,538	16,298	8,732	4,786	3,671	2,855	33,414	22,157	7,471
15	Illinois.....	160,506	67,404	20,525	15,927	4,288	4,240	61,104	72,959	29,255
16	Michigan.....	70,689	27,395	8,842	9,888	4,515	3,509	18,967	16,953	12,778
17	Wisconsin.....	31,681	7,295	4,217	1,340	760	377	17,603	13,244	6,926
18	West North Central:									
19	Minnesota.....	26,212	11,565	4,468	2,309	1,861	1,704	13,680	15,552	6,002
20	Iowa.....	8,768	4,658	4,631	1,529	1,126	965	12,797	6,477	3,501
21	Missouri.....	33,632	20,824	7,628	2,061	1,761	1,179	41,052	35,041	20,374
22	North Dakota.....	1,650	1,105	696	235	156	201	5	5	0
23	South Dakota.....	3,608	1,929	584	179	158	69	0	0	0
24	Nebraska.....	7,323	4,334	1,656	1,308	565	231	5,959	3,076	1,867
25	Kansas.....	18,585	8,136	1,743	1,842	1,023	300	2,661	1,240	550
26	South Atlantic:									
27	Delaware.....	345	542	238	178	180	190	3,438	1,154	1,185
28	Maryland and District of Columbia.....	9,433	10,944	5,564	468	354	140	13,659	22,345	10,149
29	Virginia.....	3,152	1,196	724	1,251	369	331	17,829	12,989	2,887
30	West Virginia.....	6,270	3,550	1,490	221	263	251	9,175	6,110	1,800
31	North Carolina.....	9,796	1,240	842	1,020	780	438	2,782	3,188	678
32	South Carolina.....	54,223	10,218	2,541	470	313	284	1,350	4,234	866
33	Georgia.....	11,539	7,842	984	1,886	1,251	535	8,356	5,415	5,248
34	Florida.....	1,902	668	788	2,068	1,135	449	3,837	2,410	795
35	East South Central:									
36	Kentucky.....	10,100	5,076	3,754	1,488	631	513	11,316	8,190	3,807
37	Tennessee.....	10,083	4,215	3,266	1,498	1,128	486	12,534	9,758	1,927
38	Alabama.....	6,641	4,279	1,620	810	450	161	12,717	7,375	2,392
39	Mississippi.....	3,223	1,312	998	1,058	1,096	508	1,526	2,240	462
40	West South Central:									
41	Arkansas.....	2,115	1,417	1,356	612	349	172	3,808	2,506	702
42	Louisiana.....	2,123	3,439	2,281	686	612	398	13,224	10,274	4,420
43	Oklahoma.....	6,529	3,535	553	956	296	33	2,513	308	0
44	Texas.....	21,587	10,917	7,084	1,256	707	411	9,790	5,257	1,621
45	Mountain:									
46	Montana.....	57,820	21,012	5,476	313	48	110	276	0	326
47	Idaho.....	17,612	1,384	733	142	84	36	0	0	34
48	Wyoming.....	1,757	843	595	18	0	0	0	0	0
49	Colorado.....	25,119	18,820	9,212	206	78	13	15,010	6,456	2,738
50	New Mexico.....	1,305	707	405	79	0	0	0	139	0
51	Arizona.....	5,053	1,440	561	0	0	0	105	33	71
52	Utah.....	12,689	8,865	4,961	592	590	14	5,342	3,404	85
53	Nevada.....	6,894	4,541	231	0	0	0	0	0	0
54	Pacific:									
55	Washington.....	5,689	38,430	2,879	5,259	1,088	144	67,361	3,912	3,166
56	Oregon.....	8,461	14,109	2,604	551	119	84	26,001	11	1,095
57	California.....	266,515	100,836	23,047	1,371	589	366	1,729	17,150	6,849
58	New England.....	128,777	69,123	36,472	6,015	3,510	1,505	103,714	83,025	47,823
59	Middle Atlantic.....	539,496	304,046	153,753	4,505	3,980	2,859	279,412	256,035	128,349
60	East North Central.....	349,574	147,215	57,881	37,963	17,725	14,952	224,921	194,266	84,917
61	West North Central.....	99,778	52,551	21,406	9,463	6,650	4,649	76,154	61,391	32,294
62	South Atlantic.....	96,660	36,200	13,171	7,562	4,645	2,618	60,426	57,845	23,608
63	East South Central.....	30,047	14,882	9,638	4,854	3,305	1,668	38,093	27,563	8,588
64	West South Central.....	32,354	19,308	11,274	3,510	1,964	1,014	29,335	18,345	6,743
65	Mountain.....	128,249	57,612	22,174	1,350	800	173	20,733	10,032	3,254
66	Pacific.....	280,665	153,375	28,530	7,181	1,796	594	95,091	21,073	11,110
67	United States.....	1,685,600	854,312	354,299	82,403	44,375	30,032	927,879	729,575	346,686

NOTE.—The apparent reduction from 1907 to 1912 in the output of commercial central stations in Oregon and Washington and the apparent increase in the same period in the output of electric railway stations arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. and by the Puget Sound Traction, Light & Power Co. as commercial central stations in 1907 and as electric railway stations in 1912. Both should properly have been classified as central stations in 1912.



TABLE 24.—ELECTRIC POWER GENERATED IN 1912, 1907, AND 1902, MANUFACTURING PLANTS, CENTRAL STATIONS, AND CENTRAL STATIONS AND ELECTRIC RAILWAYS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSE-POWER YEARS.

		Manufacturing plants.			Commercial and municipal central stations.			Central stations and street and electric railways.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:									
2	Maine.....	7,016	4,871	2,641	17,950	10,139	3,371	26,251	14,605	7,292
3	New Hampshire.....	8,564	3,341	908	19,407	8,471	4,197	20,228	8,923	4,990
4	Vermont.....	2,339	885	404	8,669	4,587	3,430	9,722	5,221	3,707
5	Massachusetts.....	91,511	49,263	8,996	59,213	33,638	19,287	128,587	90,314	48,327
6	Rhode Island.....	8,058	5,336	2,095	9,521	5,465	3,593	19,043	14,320	9,047
7	Connecticut.....	19,762	11,606	4,669	20,032	10,334	4,099	34,675	22,276	12,437
8	Middle Atlantic:									
9	New York.....	128,053	80,531	36,356	333,435	222,625	107,581	517,244	371,135	184,679
10	New Jersey.....	47,867	29,964	9,499	58,850	21,543	12,071	63,939	48,799	21,948
11	Pennsylvania.....	277,633	46,767	59,619	151,716	63,858	36,960	242,230	144,127	78,334
12	East North Central:									
13	Ohio.....	107,936	65,630	19,209	61,182	33,314	19,536	155,015	102,267	48,023
14	Indiana.....	57,805	25,389	4,306	36,324	19,970	11,587	69,738	42,127	19,058
15	Illinois.....	110,347	70,505	20,307	176,433	71,692	24,765	237,537	144,651	54,020
16	Michigan.....	19,771	12,084	4,916	80,577	31,910	12,351	99,544	48,863	25,129
17	Wisconsin.....	24,676	13,171	4,755	33,021	8,055	4,594	50,624	21,299	11,520
18	West North Central:									
19	Minnesota.....	5,745	2,957	1,105	23,521	13,426	6,172	42,201	28,978	12,174
20	Iowa.....	5,997	2,410	633	10,297	5,784	5,596	23,094	12,261	9,097
21	Missouri.....	22,981	15,675	4,795	35,693	22,586	8,807	76,745	57,627	29,181
22	North Dakota.....	94	62	44	1,885	1,262	897	1,890	1,267	897
23	South Dakota.....	77	47	25	3,787	2,087	652	3,787	2,087	652
24	Nebraska.....	2,270	1,559	920	8,631	4,899	1,888	14,590	7,975	3,755
25	Kansas.....	11,376	5,228	931	20,427	9,158	2,043	23,088	10,398	2,593
26	South Atlantic:									
27	Delaware.....	3,432	1,120	338	523	723	428	3,961	1,877	1,613
28	Maryland and District of Columbia.....	4,494	5,992	3,362	9,901	11,298	5,704	23,560	33,643	15,853
29	Virginia.....	5,812	3,982	1,254	4,403	1,565	1,055	22,232	14,554	3,942
30	West Virginia.....	8,104	3,720	517	6,491	3,813	1,741	15,666	9,923	3,541
31	North Carolina.....	6,543	2,760	413	10,816	2,019	1,280	13,598	5,207	1,958
32	South Carolina.....	8,363	4,314	2,735	54,693	10,531	2,825	56,043	14,765	3,691
33	Georgia.....	3,909	2,839	1,209	13,425	9,092	1,519	21,781	14,507	6,767
34	Florida.....	890	639	243	3,970	1,804	1,237	7,807	4,214	2,032
35	East South Central:									
36	Kentucky.....	6,820	3,160	1,073	11,588	5,708	4,267	22,904	13,898	8,074
37	Tennessee.....	4,464	2,577	565	11,581	5,342	3,752	24,115	15,100	5,679
38	Alabama.....	11,182	5,362	1,445	7,451	4,729	1,781	20,168	12,104	4,173
39	Mississippi.....	1,169	708	107	4,281	2,407	1,506	5,807	4,647	1,968
40	West South Central:									
41	Arkansas.....	1,074	670	239	2,727	1,766	1,523	6,535	4,272	2,230
42	Louisiana.....	6,098	3,194	827	2,809	4,050	2,679	16,033	14,324	7,099
43	Oklahoma.....	645	307	28	7,485	3,830	586	9,998	4,138	586
44	Texas.....	6,603	3,152	838	22,843	11,625	7,495	32,633	16,882	9,116
45	Mountain:									
46	Montana.....	0	821	616	53,133	21,060	5,586	58,409	21,060	5,912
47	Idaho.....	2,004	426	148	17,754	1,468	769	17,754	1,468	803
48	Wyoming.....	66	41	20	1,775	843	595	1,775	843	595
49	Colorado.....	7,405	4,762	2,373	25,325	18,898	9,225	40,335	25,354	11,963
50	New Mexico.....	275	105	6	1,384	707	404	1,384	846	404
51	Arizona.....	4,080	1,939	730	5,053	1,440	561	5,158	1,473	632
52	Utah.....	1,524	779	333	13,281	9,455	4,976	18,623	12,859	5,061
53	Nevada.....	3,234	1,476	0	6,894	4,541	231	6,894	4,541	231
54	Pacific:									
55	Washington.....	5,026	3,087	478	10,948	39,518	3,023	78,309	43,430	6,189
56	Oregon.....	3,409	1,233	93	9,012	14,228	2,688	35,013	14,239	3,783
57	California.....	12,237	6,377	1,820	267,886	101,424	23,413	269,615	118,574	30,262
58	New England.....	137,250	75,302	19,713	134,792	72,634	37,977	238,506	155,659	85,800
59	Middle Atlantic.....	453,553	257,262	105,474	544,001	308,026	156,612	823,413	564,061	284,961
60	East North Central.....	320,535	186,779	53,493	387,537	164,941	72,833	612,458	359,207	157,750
61	West North Central.....	48,540	27,938	8,453	109,241	59,202	26,055	185,395	120,593	58,349
62	South Atlantic.....	41,547	25,366	10,071	104,222	40,845	15,789	164,648	98,690	39,397
63	East South Central.....	23,635	11,807	3,190	34,901	18,186	11,306	72,994	45,749	19,894
64	West South Central.....	14,420	7,323	1,932	35,864	21,271	12,288	65,199	39,616	19,031
65	Mountain.....	18,588	10,349	4,226	129,599	58,412	22,347	150,332	68,444	25,601
66	Pacific.....	20,672	10,697	2,391	287,846	155,170	29,124	382,937	176,243	40,234
67	United States.....	1,078,740	612,823	208,943	1,768,003	898,687	384,331	2,695,882	1,628,262	731,017

NOTE.—The apparent reduction from 1907 to 1912 in the output of commercial and municipal central stations in Oregon and Washington arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. and by the Puget Sound Traction, Light & Power Co. as commercial central stations in 1907 and as electric railway stations in 1912. Both should properly have been classified as central stations in 1912.

No direct figures are available for electric power generated in manufacturing plants. Generator capacities by States for the years 1899, 1904, and 1909 are given in the Census of Manufactures for 1910. Electric power generated has been estimated by assuming that the ratio between power generated and generator capacity in manufacturing plants is the same as in central stations and electric railways, and that the generator capacities, by States, of manufacturing plants increased uniformly from 1899 to 1904 and from 1904 to 1909 and 1912.



TABLE 25.—ELECTRIC POWER GENERATED PER THOUSAND OF POPULATION, 1912, 1907, AND 1902—COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER YEARS.

		Commercial central stations.			Municipal central stations.			Street and electric railways.			Manufacturing plants.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:												
2	Maine.....	23.41	13.50	4.66	0.42	0.41	0.12	11.02	6.13	5.56	9.32	6.68	3.75
3	New Hampshire.....	44.47	19.63	9.98	.16	.29	.12	1.89	1.06	1.91	19.70	7.86	2.18
4	Vermont.....	22.49	11.38	8.24	1.67	1.64	1.67	2.94	1.80	.80	6.52	2.51	1.17
5	Massachusetts.....	15.74	9.86	6.38	1.22	.62	.22	19.87	17.67	9.93	26.21	15.36	3.08
6	Rhode Island.....	16.73	10.66	7.90	.03	.04	.04	16.76	17.35	12.05	14.18	10.45	4.63
7	Connecticut.....	16.59	9.32	4.17	.66	.47	.14	12.61	11.31	8.76	17.02	10.99	4.90
8	Middle Atlantic:												
9	New York.....	34.77	25.72	13.91	.24	.19	.14	19.30	17.29	10.07	13.45	9.37	4.75
10	New Jersey.....	21.81	9.08	5.90	.13	.08	.07	1.90	11.59	4.89	17.84	12.74	4.70
11	Pennsylvania.....	18.81	8.48	5.35	.23	.29	.26	11.36	11.03	6.28	34.84	20.17	9.04
12	East North Central:												
13	Ohio.....	11.25	6.27	3.63	1.23	.98	.93	19.14	15.00	6.65	22.02	14.28	4.48
14	Indiana.....	11.50	6.15	3.42	1.75	1.39	1.12	12.19	8.36	2.92	21.08	9.58	1.69
15	Illinois.....	27.57	12.46	4.11	2.74	.79	.85	10.50	13.49	5.86	18.96	13.04	4.07
16	Michigan.....	24.40	10.15	3.53	3.41	1.67	1.40	6.55	6.28	5.10	6.82	4.48	1.96
17	Wisconsin.....	13.24	3.23	1.98	.56	.34	.18	7.36	5.86	3.26	10.31	5.83	2.24
18	West North Central:												
19	Minnesota.....	12.20	5.83	2.46	1.07	.94	.94	6.37	7.84	3.30	2.67	1.49	.61
20	Iowa.....	3.94	2.09	2.08	.69	.51	.43	5.76	2.91	1.57	2.70	1.08	.28
21	Missouri.....	10.09	6.42	2.42	.62	.54	.37	12.32	10.81	6.48	6.89	4.84	1.52
22	North Dakota.....	2.60	2.19	1.86	.37	.31	.54	.01	.01	0	.15	.12	.12
23	South Dakota.....	5.78	3.62	1.33	.29	.30	.16	0	0	0	.12	.09	.06
24	Nebraska.....	6.00	3.75	1.52	1.07	.49	.21	4.88	2.66	1.71	1.86	1.35	.84
25	Kansas.....	10.68	4.99	1.15	1.06	.63	.20	1.53	.76	.36	6.54	3.21	.61
26	South Atlantic:												
27	Delaware.....	1.67	2.75	1.26	.86	.91	1.01	16.67	5.85	6.29	16.64	5.67	4.46
28	Maryland and District of Columbia.....	5.68	6.92	3.71	.28	.22	.09	8.22	14.13	6.77	2.70	3.79	1.91
29	Virginia.....	1.50	.60	.38	.59	.18	.17	8.46	6.49	1.52	2.76	1.99	.66
30	West Virginia.....	4.90	3.09	1.47	.17	.23	.25	7.17	5.33	1.78	6.33	3.24	.51
31	North Carolina.....	4.30	.59	.43	.45	.37	.22	1.22	1.51	.35	2.87	1.30	.21
32	South Carolina.....	34.87	6.97	1.85	.30	.21	.21	2.89	.63	.63	5.38	2.09	1.99
33	Georgia.....	4.28	3.14	.43	.70	.50	.23	3.10	2.17	2.28	1.45	1.14	.53
34	Florida.....	2.37	.97	1.37	2.58	1.65	.78	4.78	3.50	1.38	1.11	.93	.42
35	East South Central:												
36	Kentucky.....	4.35	2.26	1.72	.64	.28	.24	4.87	3.64	1.75	2.94	1.40	.49
37	Tennessee.....	4.54	1.97	1.59	.67	.53	.24	5.64	4.56	.94	2.01	1.21	.27
38	Alabama.....	3.01	2.09	.86	.37	.22	.09	5.76	3.60	1.26	5.07	2.61	.76
39	Mississippi.....	1.74	.76	.62	.57	.63	.32	.82	1.30	.29	.63	.41	.07
40	West South Central:												
41	Arkansas.....	1.30	.94	.99	.37	.23	.13	2.33	1.67	.51	.66	.45	.17
42	Louisiana.....	1.24	2.18	1.58	.40	.39	.28	7.70	6.51	3.07	3.55	2.02	.57
43	Oklahoma.....	3.53	2.50	.57	.52	.21	.03	1.36	.22	0	.35	.22	.03
44	Texas.....	5.28	2.98	2.19	.31	.19	.13	2.40	1.44	.50	1.62	.86	.26
45	Mountain:												
46	Montana.....	142.52	62.07	20.18	.77	.14	.41	.68	0	1.20	0	2.43	2.27
47	Idaho.....	48.62	4.96	3.73	.39	.30	.18	0	0	.17	5.53	1.53	.75
48	Wyoming.....	11.13	6.44	5.73	.11	0	0	0	0	0	.42	.31	.19
49	Colorado.....	29.31	25.93	15.50	.24	.11	.02	17.52	8.90	4.61	8.64	6.56	3.99
50	New Mexico.....	3.66	2.44	1.81	.22	0	0	0	.48	0	.77	.36	.03
51	Arizona.....	22.70	7.94	4.00	0	0	0	.47	.18	.51	18.33	10.69	5.21
52	Utah.....	32.12	25.62	16.70	1.50	1.71	.05	13.52	9.84	.29	3.86	2.25	1.12
53	Nevada.....	75.99	64.23	4.56	0	0	0	0	0	0	35.65	20.88	0
54	Pacific:												
55	Washington.....	4.44	39.80	4.43	4.10	1.13	.22	52.54	4.05	4.87	3.92	3.20	.74
56	Oregon.....	11.58	23.54	5.56	.75	.20	.18	35.58	.02	2.34	4.67	2.06	.20
57	California.....	103.41	47.45	13.78	.53	.28	.22	.67	8.07	4.09	4.75	3.00	1.09
58	New England.....	19.03	11.00	6.29	.89	.56	.26	15.32	13.22	8.25	20.28	11.99	3.40
59	Middle Atlantic.....	26.73	16.69	9.45	.22	.22	.18	13.84	14.05	7.89	22.47	14.12	6.48
60	East North Central.....	18.63	8.36	3.52	2.02	1.01	.91	11.99	11.03	5.16	17.08	10.61	3.25
61	West North Central.....	8.36	4.66	2.02	.79	.59	.44	6.38	5.45	3.01	4.07	2.48	.80
62	South Atlantic.....	7.68	3.09	1.22	.60	.40	.24	4.80	4.94	2.18	3.30	2.17	.93
63	East South Central.....	3.49	1.82	1.25	.56	.40	.22	4.43	3.37	1.11	2.75	1.45	.41
64	West South Central.....	3.48	2.37	1.61	.38	.24	.14	3.16	2.25	.96	1.55	.90	.28
65	Mountain.....	45.03	24.39	11.81	.47	.34	.09	7.28	4.25	1.73	6.53	4.38	2.25
66	Pacific.....	61.16	41.57	10.22	1.56	.49	.21	20.72	5.71	3.98	4.50	2.90	.86
67	United States.....	17.65	9.76	4.46	.86	.51	.38	9.71	8.34	4.37	11.29	7.00	2.63

NOTE.—The apparent reduction from 1907 to 1912 in the output of commercial central stations in Oregon and Washington and the apparent increase in the same period in the output of electric railway stations arises from the fact that the Census Bureau classified the plants not operated by the Portland Railway, Light & Power Co. and by the Puget Sound Traction, Light & Power Co. as commercial central stations in 1907 and as electric railway stations in 1912. Both should properly have been classified as central stations in 1912.

No direct figures are available for electric power generated in manufacturing plants. Generator capacities by States for the years 1899, 1901, and 1909 are given in the Census of Manufactures for 1910. Electric power generated has been estimated by assuming that the ratio between power generated and generator capacity in manufacturing plants is the same as in central stations and electric railways, and that the generator capacities, by States, of manufacturing plants increased uniformly from 1899 to 1904 and from 1904 to 1909 and 1912.

TABLE 26.—ELECTRIC POWER GENERATED PER THOUSAND OF POPULATION, 1912, 1907, AND 1902—TOTAL, BY CENTRAL STATIONS, AND BY CENTRAL STATIONS AND STREET AND ELECTRIC RAILWAYS, BY STATES AND BY GEOGRAPHIC DIVISIONS, IN HORSEPOWER YEARS.

		Commercial and municipal central stations.			Central stations and street and electric railways.			Central stations, electric railways, and manufactures.		
		1912	1907	1902	1912	1907	1902	1912	1907	1902
	New England:									
1	Maine.....	23.83	13.91	4.78	34.86	20.04	10.35	44.18	26.72	14.10
2	New Hampshire.....	44.63	19.92	10.10	46.52	20.99	12.01	66.22	28.84	14.19
3	Vermont.....	24.16	13.02	9.91	27.10	14.81	10.71	33.62	17.32	11.87
4	Massachusetts.....	16.96	10.48	6.60	36.83	28.15	16.53	63.04	43.51	19.60
5	Rhode Island.....	16.76	10.70	7.94	33.52	28.06	19.99	47.70	38.51	24.62
6	Connecticut.....	17.25	9.79	4.31	29.87	21.10	13.06	46.89	32.09	17.97
	Middle Atlantic:									
7	New York.....	35.01	25.91	14.05	54.31	43.20	24.12	67.76	52.57	28.87
8	New Jersey.....	21.94	9.16	5.97	23.83	20.75	10.86	41.67	33.49	15.55
9	Pennsylvania.....	19.04	8.77	5.61	30.40	19.80	11.88	65.24	39.97	20.93
	East North Central:									
10	Ohio.....	12.48	7.25	4.56	31.62	22.25	11.20	53.64	36.53	15.69
11	Indiana.....	13.25	7.54	4.54	25.43	15.90	7.46	46.51	25.49	9.14
12	Illinois.....	30.31	13.25	4.96	40.81	26.75	10.81	59.77	39.78	14.88
13	Michigan.....	27.81	11.82	4.93	34.36	18.10	10.04	41.19	22.57	12.00
14	Wisconsin.....	13.80	3.57	2.16	21.16	9.43	5.42	31.47	15.26	7.66
	West North Central:									
15	Minnesota.....	13.27	6.77	3.40	19.64	14.60	6.69	22.32	16.10	7.30
16	Iowa.....	4.63	2.60	2.51	10.39	5.51	4.08	13.08	6.59	4.36
17	Missouri.....	10.71	6.96	2.79	23.02	17.78	9.28	29.92	22.61	10.80
18	North Dakota.....	2.97	2.50	2.40	2.98	2.51	2.40	3.12	2.64	2.52
19	South Dakota.....	6.07	3.92	1.49	6.06	3.92	1.48	6.18	4.01	1.54
20	Nebraska.....	7.07	4.24	1.73	11.96	6.89	3.44	13.82	8.24	4.28
21	Kansas.....	11.74	5.62	1.35	13.27	6.38	1.71	19.80	9.59	2.32
	South Atlantic:									
22	Delaware.....	2.53	3.66	2.27	19.20	9.51	8.56	35.82	15.18	10.36
23	Maryland and District of Columbia.....	5.96	7.14	3.80	14.18	21.28	10.57	16.88	25.07	12.81
24	Virginia.....	2.09	.78	.55	10.55	7.27	2.08	13.30	9.26	2.74
25	West Virginia.....	5.07	3.32	1.72	12.24	8.65	3.49	18.57	11.89	4.00
26	North Carolina.....	4.75	.96	.65	5.97	2.46	1.00	8.85	3.76	1.21
27	South Carolina.....	35.17	7.18	2.06	36.04	10.07	2.68	41.42	13.01	4.67
28	Georgia.....	4.98	3.64	.66	8.08	5.81	2.94	9.53	6.94	3.47
29	Florida.....	4.95	2.62	2.15	9.73	6.11	3.53	10.84	7.04	3.95
	East South Central:									
30	Kentucky.....	4.99	2.54	1.96	9.86	6.18	3.71	12.80	7.58	4.20
31	Tennessee.....	5.21	2.50	1.83	10.85	7.06	2.76	12.86	8.27	3.04
32	Alabama.....	3.38	2.31	.95	9.14	5.90	2.20	14.20	8.52	2.97
33	Mississippi.....	2.31	1.39	.94	3.14	2.69	1.23	3.77	3.10	1.29
	West South Central:									
34	Arkansas.....	1.67	1.17	1.12	4.00	2.85	1.63	4.66	3.29	1.81
35	Louisiana.....	1.64	2.57	1.86	9.33	9.07	4.93	12.88	11.09	5.50
36	Oklahoma.....	4.05	2.71	.60	5.40	2.93	.60	5.75	3.15	.63
37	Texas.....	5.59	3.17	2.32	7.99	4.62	2.82	9.60	5.48	3.08
	Mountain:									
38	Montana.....	143.29	62.21	20.59	143.97	62.22	21.79	143.97	64.64	24.06
39	Idaho.....	49.01	5.26	3.91	49.02	5.26	4.09	54.56	6.78	4.84
40	Wyoming.....	11.24	6.44	5.73	11.24	6.44	5.73	11.65	6.75	5.92
41	Colorado.....	29.55	26.04	15.52	47.07	34.94	20.13	55.71	41.50	24.12
42	New Mexico.....	3.88	2.44	1.81	3.88	2.92	1.81	4.65	3.28	1.84
43	Arizona.....	22.70	7.94	4.00	23.17	8.12	4.51	41.51	18.82	9.72
44	Utah.....	33.62	27.33	16.75	47.15	37.17	17.03	51.01	39.42	18.16
45	Nevada.....	75.99	64.23	4.56	75.99	64.23	4.56	111.66	85.11	4.56
	Pacific:									
46	Washington.....	8.54	40.93	4.65	61.08	44.98	9.53	65.01	48.17	10.26
47	Oregon.....	12.33	23.74	5.74	47.92	23.75	8.08	52.58	25.81	8.28
48	California.....	103.94	47.73	14.00	104.61	55.80	18.09	109.36	58.80	19.18
49	New England.....	19.92	11.56	6.55	35.24	24.78	14.81	55.52	36.77	18.21
50	Middle Atlantic.....	26.95	16.91	9.63	40.80	30.96	17.51	63.28	45.07	24.00
51	East North Central.....	20.65	9.37	4.43	32.64	20.40	9.58	49.73	31.01	12.83
52	West North Central.....	9.15	5.25	2.46	15.54	10.70	5.49	19.61	13.18	6.29
53	South Atlantic.....	8.28	3.49	1.46	13.08	8.44	3.64	16.38	10.60	4.58
54	East South Central.....	4.05	2.22	1.47	8.48	5.60	2.57	11.23	7.05	2.99
55	West South Central.....	3.86	2.61	1.75	7.02	4.86	2.72	8.57	7.56	2.99
56	Mountain.....	45.50	24.73	11.90	52.78	28.98	13.64	59.30	33.36	15.89
57	Pacific.....	62.72	42.06	10.43	83.45	47.76	14.41	87.95	50.66	15.27
	United States.....	18.51	10.27	4.84	28.23	18.61	9.21	39.52	25.62	11.84

NOTE.—The apparent reduction from 1907 to 1912 in the output of commercial central stations in Oregon and Washington and the apparent increase in the same period in the output of electric-railway stations arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light & Power Co. and by the Puget Sound Traction, Light & Power Co. as commercial central stations in 1907 and as electric-railway stations in 1912. Both should properly have been classified as central stations in 1912.

No direct figures are available for electric power generated in manufacturing plants. Generator capacities, by States, for the years 1899, 1904, and 1909 are given in the Census of Manufactures for 1910. Electric power generated has been estimated by assuming that the ratio between power generated and generator capacity in manufacturing plants is the same as in central stations and electric railways, and that the generator capacities, by States, of manufacturing plants increased uniformly from 1899 to 1904 and from 1904 to 1909 and 1912.



TABLE 27.—COMMERCIAL CENTRAL STATIONS—COST OF CONSTRUCTION, EQUIPMENT AND REAL ESTATE AND INCREASE IN COST BY PERIODS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Total cost up to—			Increase in total cost from—		
		1912	1907	1902	1902 to 1912	1907 to 1912	1902 to 1907
1	New England:						
2	Maine.....	\$19,687,956	\$12,443,798	\$4,783,150	\$14,904,806	\$7,244,158	\$7,660,648
3	New Hampshire.....	17,905,032	8,618,803	6,437,760	11,467,272	9,286,229	2,181,043
4	Vermont.....	9,277,420	6,652,907	2,338,721	6,938,699	2,624,513	4,314,186
5	Massachusetts.....	68,395,610	40,523,245	28,335,006	40,060,604	27,872,365	12,188,239
6	Rhode Island.....	11,330,919	7,295,943	5,405,877	5,925,042	4,034,976	1,890,066
7	Connecticut.....	21,350,244	12,696,303	6,448,145	14,902,099	8,653,941	6,248,158
8	Middle Atlantic:						
9	New York.....	348,696,341	251,199,662	112,185,829	236,510,512	97,496,679	139,013,833
10	New Jersey.....	68,669,160	64,961,012	56,239,037	12,430,123	3,708,148	8,721,975
11	Pennsylvania.....	162,646,060	72,210,665	40,433,074	122,212,986	90,435,395	31,777,591
12	East North Central:						
13	Ohio.....	64,625,010	39,132,506	24,392,342	40,232,668	25,492,504	14,740,164
14	Indiana.....	43,747,700	23,427,532	5,198,521	38,549,179	20,320,168	18,229,011
15	Illinois.....	147,782,820	82,195,708	34,601,709	113,181,111	65,587,112	47,593,999
16	Michigan.....	66,285,610	32,656,235	8,569,481	57,716,129	33,629,375	24,086,754
17	Wisconsin.....	34,661,074	9,381,298	4,253,016	30,408,058	25,279,776	5,128,282
18	West North Central:						
19	Minnesota.....	41,767,683	22,192,753	8,080,703	33,686,980	19,574,930	14,112,050
20	Iowa.....	20,555,159	8,953,989	7,863,126	12,692,033	11,601,170	1,090,863
21	Missouri.....	46,350,586	32,554,571	14,834,273	31,516,313	13,796,015	17,720,298
22	North Dakota.....	4,598,964	1,474,985	313,388	4,285,576	3,123,979	1,161,597
23	South Dakota.....	10,985,158	2,607,668	537,521	10,447,637	8,377,490	2,070,147
24	Nebraska.....	11,565,718	6,863,096	3,151,856	8,413,862	4,702,622	3,711,240
25	Kansas.....	23,745,324	5,842,608	1,827,170	21,918,154	17,902,716	4,015,438
26	South Atlantic:						
27	Delaware.....	1,116,519	2,656,280	319,814	796,705	-1,539,761	2,336,466
28	Maryland and District of Columbia.....	38,410,594	31,006,697	11,302,041	27,108,553	7,403,897	19,704,656
29	Virginia.....	9,517,318	1,338,257	823,429	8,693,889	8,179,061	514,828
30	West Virginia.....	13,280,643	2,582,063	968,983	12,311,660	10,698,580	1,613,080
31	North Carolina.....	10,722,951	1,425,512	575,059	10,147,892	9,297,439	850,453
32	South Carolina.....	33,436,891	8,390,856	2,312,836	31,124,055	25,046,035	6,078,020
33	Georgia.....	18,344,251	6,226,692	901,376	17,442,875	12,117,559	5,325,316
34	Florida.....	2,346,922	811,195	697,004	1,649,918	1,535,727	114,191
35	East South Central:						
36	Kentucky.....	19,025,541	9,831,444	3,428,466	15,597,075	9,194,097	6,402,978
37	Tennessee.....	39,953,142	6,672,899	3,240,716	36,712,426	33,280,243	3,432,183
38	Alabama.....	7,975,241	6,804,059	798,605	7,176,636	1,171,182	6,005,454
39	Mississippi.....	3,815,530	1,321,554	595,518	3,220,012	2,493,976	726,036
40	West South Central:						
41	Arkansas.....	4,242,013	1,505,602	972,385	3,269,628	2,736,411	533,217
42	Louisiana.....	13,693,106	11,137,261	5,849,003	7,844,103	2,555,845	5,288,258
43	Oklahoma.....	11,697,726	6,928,514	567,178	11,130,548	4,769,212	6,361,336
44	Texas.....	42,358,300	10,905,677	5,294,470	37,063,830	31,452,623	5,611,207
45	Mountain:						
46	Montana.....	64,441,739	17,903,167	4,708,807	59,732,932	46,538,572	13,194,360
47	Idaho.....	32,245,940	3,203,567	778,100	31,467,840	29,042,373	2,425,467
48	Wyoming.....	2,167,032	942,326	467,463	1,699,569	1,224,706	474,863
49	Colorado.....	66,709,390	23,005,536	8,650,886	58,058,504	43,703,854	14,354,650
50	New Mexico.....	3,070,644	989,317	369,877	2,700,767	2,081,327	619,440
51	Arizona.....	9,258,049	1,672,589	810,341	8,447,708	7,585,460	862,248
52	Utah.....	11,095,475	4,813,440	7,512,281	3,583,194	6,282,035	-2,698,841
53	Nevada.....	12,977,000	4,299,631	301,785	12,675,215	8,677,369	3,997,846
54	Pacific:						
55	Washington.....	16,316,527	18,621,544	3,003,142	13,313,385	-2,305,017	15,618,402
56	Oregon.....	23,230,309	14,281,632	5,108,613	18,121,696	8,948,677	9,173,019
57	California.....	342,534,781	110,871,577	36,131,996	306,402,785	231,663,204	74,739,581
58	New England.....	147,947,181	88,230,999	53,748,659	94,198,522	59,716,182	34,482,340
59	Middle Atlantic.....	580,011,561	388,371,339	208,857,940	371,153,621	191,640,222	179,513,399
60	East North Central.....	357,102,214	186,793,279	77,015,069	280,087,145	170,308,935	109,778,210
61	West North Central.....	159,568,592	80,489,670	36,608,037	122,960,555	79,078,922	43,881,633
62	South Atlantic.....	127,176,089	54,437,552	17,900,542	109,275,547	72,738,537	36,537,010
63	East South Central.....	70,769,454	24,629,956	8,063,305	62,706,149	46,139,498	16,566,651
64	West South Central.....	71,991,145	30,477,054	12,683,036	59,308,109	41,514,091	17,794,018
65	Mountain.....	201,965,269	56,829,573	23,599,540	178,365,729	145,135,696	33,230,033
66	Pacific.....	382,081,617	143,774,753	44,243,751	337,837,866	238,306,864	99,531,002
67	United States.....	2,098,613,122	1,054,034,175	482,719,879	1,615,893,243	1,044,578,947	571,314,296

NOTE.—Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years and for all classes of stations, and for Idaho, Montana, and Rhode Island for municipal stations in 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total primary power.

TABLE 28.—COMMERCIAL CENTRAL STATIONS—COST OF CONSTRUCTION, EQUIPMENT AND REAL ESTATE, PER THOUSAND OF POPULATION AND PER HORSEPOWER OF PRIMARY POWER, AND PERCENTAGE INCREASE IN COST BY PERIODS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Per thousand of population up to—			Per horsepower of primary power up to—			Percentage increase.		
		1912	1907	1902	1912	1907	1902	1902 to 1912.	1907 to 1912.	1902 to 1907.
	New England:									
1	Maine.....	\$26,142	\$17,074	\$6,788	\$226	\$224	\$197	312	58	160
2	New Hampshire.....	41,182	20,270	15,491	216	188	230	178	108	34
3	Vermont.....	25,862	18,874	6,756	213	198	115	297	39	177
4	Massachusetts.....	19,589	12,631	9,691	211	235	240	141	69	43
5	Rhode Island.....	19,946	14,294	11,945	225	262	309	110	55	35
6	Connecticut.....	18,389	12,023	6,773	213	246	235	231	68	97
	Middle Atlantic:									
7	New York.....	36,613	29,240	14,651	305	354	353	211	39	124
8	New Jersey.....	25,593	27,621	27,816	290	707	831	22	6	16
9	Pennsylvania.....	20,412	9,922	6,134	271	250	242	302	125	79
	East North Central:									
10	Ohio.....	13,184	8,515	5,691	216	261	284	165	65	60
11	Indiana.....	15,955	8,844	2,035	284	243	127	741	86	351
12	Illinois.....	25,389	15,198	6,927	249	306	327	327	80	138
13	Michigan.....	22,882	12,096	3,423	201	214	190	674	103	281
14	Wisconsin.....	14,485	4,153	2,001	264	191	131	715	269	121
	West North Central:									
15	Minnesota.....	19,443	1,185	4,441	329	212	325	417	88	175
16	Iowa.....	9,246	4,020	3,526	322	242	234	161	130	14
17	Missouri.....	13,905	10,043	4,716	280	328	386	213	42	119
18	North Dakota.....	7,246	2,926	838	329	167	105	1,367	212	371
19	South Dakota.....	17,585	4,899	1,223	437	232	123	1,944	321	385
20	Nebraska.....	9,481	5,932	2,884	286	266	290	267	69	118
21	Kansas.....	13,646	3,587	1,204	290	143	156	1,200	306	220
	South Atlantic:									
22	Delaware.....	5,412	13,455	1,699	368	413	414	249	-58	731
23	Maryland and District of Columbia.....	23,112	19,612	7,535	368	413	414	240	24	174
24	Virginia.....	4,515	668	434	197	124	195	1,056	611	63
25	West Virginia.....	10,375	2,251	956	320	130	103	1,271	414	166
26	North Carolina.....	4,712	673	293	195	103	127	1,765	652	148
27	South Carolina.....	21,503	5,724	1,680	156	103	116	1,346	298	263
28	Georgia.....	6,802	2,493	392	259	139	92	1,935	195	591
29	Florida.....	2,924	1,177	1,210	141	127	165	237	189	16
	East South Central:									
30	Kentucky.....	8,194	4,369	1,574	256	263	175	455	94	187
31	Tennessee.....	17,979	3,121	1,577	693	305	213	1,133	499	106
32	Alabama.....	3,613	3,318	422	284	311	120	899	17	752
33	Mississippi.....	2,061	765	372	191	180	125	541	189	122
	West South Central:									
34	Arkansas.....	2,598	1,004	711	213	136	132	336	182	55
35	Louisiana.....	7,971	7,053	4,062	643	586	472	134	23	90
36	Oklahoma.....	6,319	4,907	583	279	339	140	1,962	69	1,122
37	Texas.....	10,365	2,982	1,640	357	158	162	700	288	106
	Mountain:									
38	Montana.....	158,843	52,889	17,357	561	261	149	1,268	260	280
39	Idaho.....	89,028	11,472	3,963	583	239	143	4,044	906	312
40	Wyoming.....	13,724	7,196	4,499	191	184	145	364	130	102
41	Colorado.....	77,843	31,702	14,554	509	282	227	671	190	166
42	New Mexico.....	8,607	3,410	1,658	299	217	208	730	210	167
43	Arizona.....	41,591	9,228	5,782	419	216	319	1,043	453	106
44	Utah.....	28,088	13,911	25,285	197	145	369	48	131	-36
45	Nevada.....	143,045	60,820	5,959	842	616	176	4,200	202	1,325
	Pacific:									
46	Washington.....	12,727	19,285	4,622	426	301	135	443	-12	520
47	Oregon.....	31,793	23,824	10,912	562	113	292	355	63	180
48	California.....	132,904	52,176	21,596	408	292	272	848	209	207
49	New England.....	21,860	14,047	9,275	215	228	228	175	68	64
50	Middle Atlantic.....	28,739	21,314	12,837	293	356	378	178	49	86
51	East North Central.....	19,033	10,608	4,679	237	261	249	364	91	143
52	West North Central.....	13,375	7,142	3,447	309	246	288	336	98	120
53	South Atlantic.....	10,102	4,653	1,656	229	210	223	610	134	204
54	East South Central.....	8,226	3,016	1,043	393	278	174	778	187	205
55	West South Central.....	7,751	3,741	1,810	357	255	225	468	136	140
56	Mountain.....	70,916	24,060	12,573	485	257	225	756	255	141
57	Pacific.....	83,259	38,962	15,851	416	253	256	764	166	225
	United States.....	21,972	12,048	6,082	301	279	286	335	99	118

NOTE.—Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years and for all classes of stations, and for Idaho, Montana, and Rhode Island for municipal stations in 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total primary power.



TABLE 29.—MUNICIPAL CENTRAL STATIONS—COST OF CONSTRUCTION, EQUIPMENT, AND REAL ESTATE, TOTAL, PER THOUSAND OF POPULATION AND PER HORSEPOWER OF PRIMARY POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Total cost up to—			Cost per thousand of population up to—			Cost per horsepower of primary power up to—		
		1912	1907	1902	1912	1907	1902	1912	1907	1902
1	New England:									
2	Maine.....	\$238,336	\$185,303	\$41,700	\$316	\$254	\$59	\$96	\$83	\$73
3	New Hampshire.....	156,544	76,849	9,800	360	181	21	126	84	65
4	Vermont.....	750,180	581,591	352,449	2,091	1,650	1,018	111	118	102
5	Massachusetts.....	3,311,628	2,755,981	1,227,261	948	859	420	127	174	196
6	Rhode Island.....	8,375	17,323	22,919	15	34	51	84	173	229
7	Connecticut.....	1,056,014	719,708	135,332	910	682	142	113	157	150
8	Middle Atlantic:									
9	New York.....	1,830,563	1,532,127	812,949	192	178	106	136	120	136
10	New Jersey.....	389,221	258,433	193,465	145	110	96	141	152	178
11	Pennsylvania.....	1,876,016	1,697,084	1,146,264	235	233	174	122	125	141
12	East North Central:									
13	Ohio.....	4,618,884	3,424,494	1,989,055	942	745	464	122	116	111
14	Indiana.....	4,182,552	2,253,178	1,507,989	1,525	851	590	134	110	114
15	Illinois.....	14,321,406	5,946,525	3,727,566	2,460	1,100	746	281	193	176
16	Michigan.....	6,479,220	4,344,825	2,989,688	2,237	1,609	1,194	139	138	150
17	Wisconsin.....	1,871,597	1,097,057	425,300	782	486	200	135	111	131
18	West North Central:									
19	Minnesota.....	2,593,227	1,945,328	1,155,802	1,207	980	635	122	112	116
20	Iowa.....	1,571,359	1,032,677	691,108	707	464	310	118	105	118
21	Missouri.....	2,274,124	1,311,189	845,599	682	405	269	135	109	123
22	North Dakota.....	282,668	145,012	103,455	445	288	277	129	102	108
23	South Dakota.....	332,883	198,695	85,983	533	373	195	127	112	125
24	Nebraska.....	1,405,598	508,985	153,984	1,152	440	141	120	120	108
25	Kansas.....	2,278,484	747,197	196,716	1,309	459	130	138	99	128
26	South Atlantic:									
27	Delaware.....	124,379	109,611	83,562	603	555	444	77	82	103
28	Maryland and District of Columbia.....	318,930	238,280	120,339	192	151	80	77	97	125
29	Virginia.....	1,410,061	452,014	215,918	669	226	114	126	117	178
30	West Virginia.....	109,530	100,872	154,466	86	88	152	65	64	106
31	North Carolina.....	1,367,280	816,279	228,877	601	385	117	139	120	112
32	South Carolina.....	575,477	412,526	130,153	370	281	95	145	158	103
33	Georgia.....	1,546,674	1,127,594	351,202	574	451	153	90	113	126
34	Florida.....	1,681,766	818,866	277,421	2,095	1,188	483	98	103	147
35	East South Central:									
36	Kentucky.....	683,482	524,644	241,686	294	233	111	91	114	129
37	Tennessee.....	1,564,274	841,434	362,372	704	394	176	138	123	96
38	Alabama.....	751,535	489,817	110,290	341	239	58	117	108	118
39	Mississippi.....	1,195,829	899,108	303,959	646	520	190	114	110	105
40	West South Central:									
41	Arkansas.....	569,866	417,056	110,120	349	278	81	95	143	101
42	Louisiana.....	582,163	476,860	207,600	339	302	144	99	111	150
43	Oklahoma.....	1,634,914	202,350	30,338	894	143	31	138	92	84
44	Texas.....	1,254,686	407,852	216,021	307	112	67	158	139	96
45	Mountain:									
46	Montana.....	141,652	60,629	32,000	349	179	118	153	173	128
47	Idaho.....	236,626	49,370	6,930	653	177	35	215	173	.....
48	Wyoming.....	33,000	0	0	209	0	0	120	.....	.....
49	Colorado.....	279,752	120,643	14,940	326	166	25	96	124	124
50	New Mexico.....	63,116	0	0	177	0	0	86	.....	.....
51	Arizona.....	0	0	0	0	0	0	.....	.....	.....
52	Utah.....	460,021	335,156	9,499	1,165	969	32	108	123	76
53	Nevada.....	16,362	0	0	181	0	0	.....	.....	.....
54	Pacific:									
55	Washington.....	6,194,001	2,168,305	533,880	4,831	2,245	822	108	401	890
56	Oregon.....	566,438	121,646	49,038	775	203	105	121	201	157
57	California.....	1,854,451	908,974	415,478	720	428	248	194	174	197
58	New England.....	5,521,077	4,336,755	1,789,461	816	690	309	120	152	156
59	Middle Atlantic.....	4,095,800	3,487,644	2,152,678	203	191	132	129	125	141
60	East North Central.....	31,473,659	17,066,079	10,639,598	1,678	969	646	174	140	141
61	West North Central.....	10,738,343	5,889,083	3,232,647	900	523	304	127	109	118
62	South Atlantic.....	7,134,097	4,076,042	1,561,938	567	348	144	107	112	126
63	East South Central.....	4,195,120	2,755,003	1,018,307	488	337	132	117	114	108
64	West South Central.....	4,061,629	1,504,118	564,079	437	185	81	128	122	111
65	Mountain.....	1,230,529	565,798	63,369	432	240	34	121	131	128
66	Pacific.....	8,614,890	3,198,925	998,396	1,877	867	358	120	285	330
67	United States.....	77,065,144	42,879,447	22,020,473	807	490	277	138	133	138

NOTE.—Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years and for all classes of stations, and for Idaho, Montana, and Rhode Island for municipal stations in 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total primary power.

TABLE 30.—COMMERCIAL AND MUNICIPAL CENTRAL STATIONS—COST OF CONSTRUCTION, EQUIPMENT, AND REAL ESTATE, AND INCREASE IN COST BY PERIODS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Total cost up to—			Increase in total cost from—		
		1912	1907	1902	1902 to 1912	1907 to 1912	1902 to 1907
1	New England:						
2	Maine.....	\$19,926,292	\$12,629,101	\$4,824,850	\$15,101,442	\$7,297,191	\$7,804,251
3	New Hampshire.....	18,061,576	8,695,652	6,447,560	11,614,016	9,365,924	2,248,092
4	Vermont.....	10,027,600	7,234,498	2,691,170	7,336,430	2,793,102	4,543,328
5	Massachusetts.....	71,707,238	43,279,226	29,562,267	42,144,971	28,428,012	13,716,959
6	Rhode Island.....	11,339,294	7,327,862	5,428,796	5,910,498	4,011,432	1,899,066
7	Connecticut.....	22,406,258	13,416,011	6,583,477	15,822,781	8,990,247	6,832,534
8	Middle Atlantic:						
9	New York.....	350,526,904	252,731,789	112,998,778	237,528,126	97,795,115	139,733,011
10	New Jersey.....	69,058,381	65,219,445	56,432,502	12,625,879	3,838,936	8,786,943
11	Pennsylvania.....	164,522,076	73,907,749	41,579,338	122,942,738	90,614,327	32,328,411
12	East North Central:						
13	Ohio.....	69,243,894	42,557,000	26,381,397	42,862,497	26,686,894	16,175,603
14	Indiana.....	47,930,252	25,680,710	6,706,510	41,223,742	22,249,542	18,974,200
15	Illinois.....	162,104,226	88,142,233	38,329,275	123,774,951	73,961,993	49,812,958
16	Michigan.....	72,764,830	37,001,060	11,559,169	61,205,661	35,763,770	25,441,891
17	Wisconsin.....	36,532,671	10,478,355	4,678,316	31,854,355	26,054,316	5,800,039
18	West North Central:						
19	Minnesota.....	44,360,910	24,138,081	9,236,505	35,124,405	20,222,829	14,901,576
20	Iowa.....	22,126,518	9,986,666	8,554,234	13,572,284	12,139,852	1,432,432
21	Missouri.....	48,624,710	33,865,760	15,679,872	32,944,838	14,758,950	18,185,888
22	North Dakota.....	4,881,632	1,619,997	416,843	4,464,789	3,261,635	1,203,154
23	South Dakota.....	11,818,041	2,806,363	623,504	10,694,537	8,511,678	2,182,859
24	Nebraska.....	12,971,316	7,372,081	3,305,840	9,665,476	5,599,235	4,066,241
25	Kansas.....	26,023,808	6,589,805	2,023,886	23,999,922	19,434,003	4,565,919
26	South Atlantic:						
27	Delaware.....	1,644,019	3,098,392	627,660	1,016,359	-1,454,373	2,470,732
28	Maryland and District of Columbia.....	38,326,403	30,912,476	11,198,096	27,128,307	7,413,927	19,714,380
29	Virginia.....	10,927,379	1,790,271	1,039,347	9,888,032	9,137,108	750,924
30	West Virginia.....	13,390,173	2,682,935	1,123,449	12,266,724	10,707,238	1,559,486
31	North Carolina.....	12,090,231	2,241,791	803,936	11,286,295	9,848,440	1,437,855
32	South Carolina.....	34,012,368	8,803,382	2,442,989	31,569,379	25,208,986	6,360,393
33	Georgia.....	19,890,925	7,354,286	1,252,578	18,638,347	12,536,639	6,101,708
34	Florida.....	4,028,688	1,630,061	974,425	3,054,263	2,398,627	655,636
35	East South Central:						
36	Kentucky.....	19,709,023	10,356,088	3,670,152	16,038,871	9,352,935	6,685,936
37	Tennessee.....	41,517,416	7,514,333	3,603,088	37,914,328	34,003,083	3,911,245
38	Alabama.....	8,726,776	7,293,876	908,895	7,817,881	1,432,900	6,384,981
39	Mississippi.....	5,011,359	2,220,662	899,477	4,111,882	2,790,697	1,321,185
40	West South Central:						
41	Arkansas.....	4,811,879	1,922,658	1,082,505	3,729,374	2,889,221	840,153
42	Louisiana.....	14,275,269	11,614,121	6,056,603	8,218,666	2,661,148	5,557,518
43	Oklahoma.....	13,352,640	7,130,864	597,516	12,755,124	6,221,776	6,533,348
44	Texas.....	43,612,986	11,313,529	5,510,491	38,102,495	32,299,457	5,803,038
45	Mountain:						
46	Montana.....	64,583,391	17,950,677	4,740,807	59,842,584	46,632,714	13,209,870
47	Idaho.....	32,482,566	3,251,460	785,030	31,697,536	29,231,106	2,466,430
48	Wyoming.....	2,200,032	942,326	467,463	1,732,569	1,257,706	474,863
49	Colorado.....	66,989,142	23,126,179	8,665,826	58,323,316	43,862,963	14,460,353
50	New Mexico.....	3,133,760	989,317	369,877	2,763,883	2,144,443	619,440
51	Arizona.....	9,258,049	1,672,589	810,341	8,447,708	7,585,460	862,248
52	Utah.....	11,555,496	5,148,596	7,521,780	4,033,716	6,406,900	-2,373,184
53	Nevada.....	12,993,362	4,299,631	301,785	12,691,577	8,693,731	3,997,846
54	Pacific:						
55	Washington.....	22,510,528	20,789,849	3,537,022	18,973,506	1,720,679	17,252,827
56	Oregon.....	23,796,747	14,403,278	5,157,651	18,639,096	9,393,469	9,245,627
57	California.....	344,389,232	111,780,551	36,547,474	307,841,758	232,608,681	75,233,077
58	New England.....	153,468,258	92,582,350	55,538,120	97,930,138	60,885,908	37,044,230
59	Middle Atlantic.....	584,107,361	391,858,983	211,010,618	373,096,743	192,248,378	180,848,365
60	East North Central.....	388,575,873	203,859,358	87,654,667	300,921,206	184,716,515	116,204,691
61	West North Central.....	170,306,935	86,378,753	39,840,684	130,466,251	83,928,182	46,538,069
62	South Atlantic.....	134,310,186	58,513,594	19,462,480	114,847,706	75,796,592	39,051,114
63	East South Central.....	74,964,574	27,384,959	9,081,612	65,882,962	47,579,615	18,303,347
64	West South Central.....	76,052,774	31,981,172	13,247,115	62,805,659	44,071,602	18,734,057
65	Mountain.....	203,195,798	57,380,775	23,662,909	179,532,889	145,815,023	33,717,866
66	Pacific.....	390,696,507	146,973,678	45,242,147	345,454,360	243,722,829	101,731,531
67	United States.....	2,175,678,266	1,096,913,622	504,740,352	1,670,937,914	1,078,764,644	592,173,270

NOTE.—Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years and for all classes of stations, and for Idaho, Montana, and Rhode Island for municipal stations in 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total primary power.



TABLE 31.—COMMERCIAL AND MUNICIPAL CENTRAL STATIONS—COST OF CONSTRUCTION, EQUIPMENT, AND REAL ESTATE, PER THOUSAND OF POPULATION AND PER HORSEPOWER OF PRIMARY POWER, AND PERCENTAGE INCREASE IN COST BY PERIODS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Per thousand of population up to—			Per horsepower of primary power up to—			Percentage increase.		
		1912	1907	1902	1912	1907	1902	1902 to 1912	1907 to 1912	1902 to 1907
1	New England:									
2	Maine.....	\$26,458	\$17,328	\$6,847	\$222	\$218	\$194	313	58	162
3	New Hampshire.....	41,543	20,451	15,514	214	186	229	180	108	35
4	Vermont.....	27,956	20,522	7,774	199	188	113	273	39	169
5	Massachusetts.....	20,537	13,490	10,110	204	230	238	143	66	46
6	Rhode Island.....	19,960	14,357	11,995	225	262	308	109	55	35
7	Connecticut.....	19,298	12,705	6,915	204	239	232	240	67	104
8	Middle Atlantic:									
9	New York.....	36,805	29,418	14,758	303	350	349	210	39	124
10	New Jersey.....	25,738	27,731	27,912	288	697	821	22	6	16
11	Pennsylvania.....	20,648	10,155	6,308	267	244	237	296	123	78
12	East North Central:									
13	Ohio.....	14,126	9,260	6,155	205	238	254	162	63	61
14	Indiana.....	17,480	9,695	2,625	258	220	124	615	87	283
15	Illinois.....	27,849	16,297	7,674	251	295	302	323	84	130
16	Michigan.....	25,118	13,705	4,618	193	201	178	530	97	220
17	Wisconsin.....	15,267	4,639	2,202	251	178	131	681	249	124
18	West North Central:									
19	Minnesota.....	20,650	12,166	5,075	300	198	265	380	84	161
20	Iowa.....	9,953	4,484	3,836	287	214	217	159	122	17
21	Missouri.....	14,588	10,448	4,985	267	34	346	210	44	116
22	North Dakota.....	7,692	3,214	1,116	302	158	106	1,071	201	289
23	South Dakota.....	18,118	5,271	1,417	408	216	123	1,715	303	350
24	Nebraska.....	10,632	6,372	3,024	249	246	269	292	76	123
25	Kansas.....	14,956	4,046	1,334	265	136	152	1,186	295	256
26	South Atlantic:									
27	Delaware.....	7,969	15,694	3,332	354	399	396	162	— 47	394
28	Maryland and District of Columbia.....	23,061	19,552	7,466	354	399	396	242	24	176
29	Virginia.....	5,184	894	548	183	122	191	951	510	72
30	West Virginia.....	10,460	2,339	1,108	310	125	104	1,092	399	139
31	North Carolina.....	5,312	1,058	410	186	108	122	1,404	439	179
32	South Carolina.....	21,873	6,005	1,774	156	105	115	1,292	286	260
33	Georgia.....	7,376	2,944	545	226	134	99	1,488	170	487
34	Florida.....	5,019	2,365	1,692	119	113	159	313	147	67
35	East South Central:									
36	Kentucky.....	8,489	4,602	1,686	241	247	171	437	90	182
37	Tennessee.....	18,683	3,514	1,753	602	262	190	1,052	453	109
38	Alabama.....	3,954	3,557	480	253	276	119	860	20	702
39	Mississippi.....	2,706	1,285	561	164	143	117	457	126	147
40	West South Central:									
41	Arkansas.....	2,947	1,282	792	186	138	128	344	150	78
42	Louisiana.....	8,309	7,355	4,206	526	499	440	136	23	92
43	Oklahoma.....	7,213	5,050	614	248	315	136	2,135	87	1,093
44	Texas.....	10,672	3,093	1,707	344	157	158	692	286	105
45	Mountain:									
46	Montana.....	159,191	53,031	17,475	558	261	149	1,262	260	279
47	Idaho.....	89,682	11,640	3,999	576	237	144	4,038	899	314
48	Wyoming.....	13,933	7,196	4,504	190	184	145	371	133	102
49	Colorado.....	78,169	31,868	14,579	500	281	226	673	190	167
50	New Mexico.....	8,784	3,410	1,657	284	217	208	747	217	167
51	Arizona.....	41,591	9,228	5,784	419	216	319	1,042	453	106
52	Utah.....	29,253	14,882	25,318	191	143	368	54	124	— 32
53	Nevada.....	143,222	60,820	5,955	843	616	175	4,206	202	1,325
54	Pacific:									
55	Washington.....	17,559	21,530	5,444	235	309	155	536	8	488
56	Oregon.....	32,569	24,026	11,016	517	114	290	361	65	179
57	California.....	133,623	52,604	21,844	406	291	271	842	208	206
58	New England.....	22,675	14,740	9,584	209	223	225	176	66	67
59	Middle Atlantic.....	23,943	21,505	12,969	290	350	372	177	49	86
60	East North Central.....	20,711	11,577	5,325	230	243	227	343	91	133
61	West North Central.....	14,275	7,664	3,751	283	226	258	328	97	117
62	South Atlantic.....	10,668	5,001	1,800	216	198	210	590	130	201
63	East South Central.....	8,713	3,353	1,175	348	243	163	726	174	202
64	West South Central.....	8,188	3,925	1,890	326	243	215	474	138	141
65	Mountain.....	71,348	24,293	12,607	476	255	225	759	254	143
66	Pacific.....	85,137	39,829	16,210	395	254	258	764	166	225
67	United States.....	22,779	12,538	6,360	289	268	274	331	98	117

NOTE.—Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years and for all classes of stations, and for Idaho, Montana, and Rhode Island for municipal stations in 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total primary power.

TABLE 32.—COMMERCIAL CENTRAL STATIONS—STOCKS AND BONDS OUTSTANDING AND INCREASE BY PERIODS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Total stocks and bonds.			Increase in stocks and bonds from—		
		1912	1907	1902	1902 to 1912	1907 to 1912	1902 to 1907
	New England:						
1	Maine.....	\$19,819,541	\$15,909,655	\$4,510,410	\$15,309,131	\$3,909,886	\$11,399,245
2	New Hampshire.....	17,966,502	10,366,900	6,617,400	11,349,102	7,599,602	3,749,500
3	Vermont.....	8,494,839	7,836,725	1,862,920	6,631,919	658,114	5,973,805
4	Massachusetts.....	38,195,577	47,476,500	21,412,506	16,783,071	-9,280,923	26,063,994
5	Rhode Island.....	11,727,800	7,170,000	3,917,500	7,810,300	4,557,800	3,252,500
6	Connecticut.....	18,154,913	12,924,150	7,239,475	10,915,438	5,230,763	5,684,675
	Middle Atlantic:						
7	New York.....	309,471,635	293,037,642	190,300,149	119,171,486	16,433,993	102,737,493
8	New Jersey.....	70,710,087	45,291,240	58,844,336	11,865,751	25,418,847	-13,553,096
9	Pennsylvania.....	165,923,439	108,323,447	78,636,619	87,286,820	57,599,992	29,686,828
	East North Central:						
10	Ohio.....	52,871,459	49,813,950	24,839,632	28,031,827	3,057,509	24,974,318
11	Indiana.....	43,043,904	28,446,123	5,910,098	37,133,806	14,597,781	22,536,025
12	Illinois.....	148,330,461	101,802,550	35,889,835	112,440,626	46,527,911	65,912,715
13	Michigan.....	60,092,598	37,396,162	8,584,570	51,508,028	22,696,436	28,811,592
14	Wisconsin.....	35,412,593	15,636,925	4,017,405	31,395,188	19,775,668	11,619,520
	West North Central:						
15	Minnesota.....	51,084,602	33,428,215	8,109,500	42,975,102	17,656,387	25,318,715
16	Iowa.....	20,713,305	13,970,500	7,405,650	13,307,655	6,742,805	6,564,850
17	Missouri.....	42,142,991	53,654,048	16,245,020	25,897,971	-11,511,057	37,409,028
18	North Dakota.....	7,431,600	2,010,300	91,000	7,340,600	5,421,300	1,919,300
19	South Dakota.....	10,647,054	4,563,250	875,250	9,771,804	6,083,804	3,688,000
20	Nebraska.....	11,166,966	10,417,850	3,197,450	7,969,516	749,116	7,220,400
21	Kansas.....	24,347,704	7,877,600	1,497,350	22,850,354	16,470,104	6,380,250
	South Atlantic:						
22	Delaware.....	1,185,922	4,661,964	349,148	836,774	-3,476,042	4,312,816
23	Maryland and District of Columbia.....	40,798,472	54,419,259	12,339,086	28,459,386	-13,620,787	42,080,173
24	Virginia.....	8,635,594	1,393,500	804,800	7,830,794	7,242,094	588,700
25	West Virginia.....	12,341,865	3,549,325	626,950	11,714,915	8,792,540	2,922,375
26	North Carolina.....	10,002,482	1,571,100	882,600	9,119,882	8,431,382	688,500
27	South Carolina.....	39,681,829	13,140,160	2,128,150	37,553,679	26,541,669	11,012,010
28	Georgia.....	16,245,891	8,891,850	810,400	15,435,491	7,354,041	8,081,450
29	Florida.....	1,980,610	1,832,543	420,500	1,560,110	148,067	1,412,043
	East South Central:						
30	Kentucky.....	18,361,902	11,061,300	3,912,100	14,449,802	7,300,602	7,149,200
31	Tennessee.....	39,341,717	6,664,050	3,121,950	36,219,767	32,677,667	3,542,100
32	Alabama.....	7,538,850	8,123,250	1,597,600	5,941,250	-584,400	6,525,650
33	Mississippi.....	3,696,012	1,179,250	429,100	3,266,912	2,516,762	750,150
	West South Central:						
34	Arkansas.....	3,335,018	1,886,600	979,275	2,355,743	1,448,418	907,325
35	Louisiana.....	11,818,460	4,377,700	6,782,200	5,036,260	7,440,760	-2,404,500
36	Oklahoma.....	11,777,957	8,905,875	820,500	10,957,457	2,872,082	8,085,375
37	Texas.....	37,916,814	12,932,012	4,785,600	33,131,214	24,984,802	8,146,412
	Mountain:						
38	Montana.....	66,363,164	19,822,200	8,358,700	58,004,464	46,540,964	11,463,500
39	Idaho.....	44,389,331	7,479,809	1,016,200	43,373,131	36,909,522	6,463,609
40	Wyoming.....	1,923,460	1,142,775	450,766	1,472,694	780,685	692,009
41	Colorado.....	65,848,308	26,086,660	15,341,950	50,506,358	39,761,648	10,744,710
42	New Mexico.....	3,119,900	1,507,500	445,900	2,674,000	1,612,400	1,061,600
43	Arizona.....	9,880,285	3,206,700	1,177,000	8,703,285	6,673,585	2,029,700
44	Utah.....	9,483,718	4,308,838	8,394,980	1,088,738	5,174,880	-4,086,142
45	Nevada.....	5,092,225	5,113,500	288,000	4,804,225	-21,275	4,825,500
	Pacific:						
46	Washington.....	17,261,756	21,108,330	3,153,000	14,108,756	-3,846,574	17,955,330
47	Oregon.....	23,472,922	14,400,300	7,037,300	16,435,622	9,072,622	7,363,000
48	California.....	373,250,663	185,875,100	51,058,045	322,192,618	187,375,563	134,817,055
49	New England.....	114,359,172	101,683,930	45,560,211	68,798,961	12,675,242	56,123,719
50	Middle Atlantic.....	546,105,161	446,652,329	327,781,104	218,324,057	99,452,832	118,871,225
51	East North Central.....	339,751,015	233,095,710	79,241,540	260,509,475	106,655,305	153,854,170
52	West North Central.....	167,534,222	125,921,763	37,421,220	130,113,002	41,612,459	88,500,543
53	South Atlantic.....	130,872,665	89,459,701	18,361,634	112,511,031	41,412,964	71,098,067
54	East South Central.....	68,938,481	27,027,850	9,060,750	59,877,731	41,910,631	17,967,100
55	West South Central.....	64,848,249	28,102,187	13,367,575	51,480,674	36,746,062	14,734,612
56	Mountain.....	206,100,391	68,667,982	35,473,496	170,626,895	137,432,409	33,194,486
57	Pacific.....	413,985,341	221,383,730	61,248,345	352,736,996	192,601,611	160,135,385
	United States.....	2,052,494,697	1,341,995,182	627,515,875	1,424,978,822	710,499,515	714,479,307

NOTE.—Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years and for all classes of stations, and for Idaho, Montana, and Rhode Island for municipal stations in 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total primary power.



TABLE 33.—COMMERCIAL CENTRAL STATIONS—STOCKS AND BONDS OUTSTANDING PER THOUSAND OF POPULATION AND PER HORSEPOWER OF PRIMARY POWER, AND PERCENTAGE INCREASE IN STOCKS AND BONDS BY PERIODS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Per thousand of population.			Per horsepower of primary power.			Percentage increase.		
		1912	1907	1902	1912	1907	1902	1902 to 1912	1907 to 1912	1902 to 1907
1	New England:									
2	Maine.....	\$26,317	\$21,830	\$6,401	\$227	\$286	\$186	339	25	253
3	New Hampshire.....	41,324	24,381	15,922	217	226	237	172	73	57
4	Vermont.....	23,682	22,233	5,381	195	233	91	356	8	321
5	Massachusetts.....	10,939	14,799	7,323	118	275	181	78	-20	122
6	Rhode Island.....	20,645	14,047	8,657	233	257	224	199	64	83
7	Connecticut.....	15,637	12,239	7,604	181	250	263	151	41	79
8	Middle Atlantic:									
9	New York.....	32,495	34,110	24,853	270	413	600	63	6	54
10	New Jersey.....	26,354	19,258	29,104	299	493	869	20	56	-23
11	Pennsylvania.....	20,823	14,884	11,929	276	375	470	111	53	38
12	East North Central:									
13	Ohio.....	10,786	10,840	5,795	177	333	290	113	6	101
14	Indiana.....	15,698	10,738	2,313	279	295	144	628	54	381
15	Illinois.....	25,483	18,823	7,185	249	379	340	313	46	184
16	Michigan.....	20,744	13,851	3,430	182	245	191	600	61	336
17	Wisconsin.....	14,799	6,922	1,800	269	319	124	782	126	289
18	West North Central:									
19	Minnesota.....	23,780	16,848	4,456	403	320	326	530	53	312
20	Iowa.....	9,317	6,273	3,321	325	378	220	180	48	89
21	Missouri.....	12,643	16,552	5,164	255	540	423	159	-22	230
22	North Dakota.....	11,709	3,987	244	532	227	31	8,067	270	2,109
23	South Dakota.....	17,044	8,572	1,989	424	407	200	1,117	133	421
24	Nebraska.....	9,154	9,004	2,925	276	404	294	249	7	226
25	Kansas.....	13,993	4,836	987	298	193	128	1,526	209	426
26	South Atlantic:									
27	Delaware.....	5,749	23,617	1,852	391	724	452	240	-75	1,235
28	Maryland and District of Columbia.....	24,548	34,420	8,226	391	724	452	231	-25	341
29	Virginia.....	4,097	696	424	179	130	190	973	520	73
30	West Virginia.....	9,642	3,094	618	297	179	67	1,868	230	466
31	North Carolina.....	4,395	742	451	181	113	195	1,033	537	78
32	South Carolina.....	25,519	8,963	1,545	185	161	107	1,765	202	517
33	Georgia.....	6,024	3,559	352	229	199	82	1,905	83	997
34	Florida.....	2,468	2,659	729	119	286	99	371	8	336
35	East South Central:									
36	Kentucky.....	7,909	4,916	1,797	247	296	200	369	66	183
37	Tennessee.....	17,704	3,117	1,519	682	304	205	1,160	490	113
38	Alabama.....	3,416	3,961	844	269	371	239	372	-7	408
39	Mississippi.....	1,996	682	268	185	160	90	761	213	175
40	West South Central:									
41	Arkansas.....	2,042	1,258	716	168	171	133	241	77	93
42	Louisiana.....	6,879	2,773	4,709	555	230	547	74	170	-35
43	Oklahoma.....	6,362	6,307	842	281	436	203	1,335	32	985
44	Texas.....	9,278	3,536	1,483	319	188	147	692	193	170
45	Mountain:									
46	Montana.....	163,578	58,558	30,811	578	290	264	694	235	137
47	Idaho.....	122,554	26,781	5,176	803	558	186	4,269	493	636
48	Wyoming.....	12,179	8,732	4,345	170	223	140	327	68	154
49	Colorado.....	76,838	35,948	25,811	502	320	402	329	152	70
50	New Mexico.....	8,744	5,200	1,998	304	332	251	600	107	238
51	Arizona.....	44,385	17,689	8,401	447	414	463	739	208	172
52	Utah.....	24,010	12,454	28,257	168	130	413	13	120	-49
53	Nevada.....	56,129	72,334	5,683	330	733	167	1,668	-0	1,676
54	Pacific:									
55	Washington.....	13,464	21,859	4,853	451	341	141	447	-18	569
56	Oregon.....	32,125	24,021	15,030	568	114	403	234	63	105
57	California.....	144,821	87,473	30,517	445	490	385	631	101	264
58	New England.....	16,897	16,188	7,862	166	263	193	151	12	123
59	Middle Atlantic.....	27,060	24,512	20,145	276	409	593	67	22	36
60	East North Central.....	18,109	13,238	4,814	225	325	256	329	46	194
61	West North Central.....	14,042	11,173	3,523	324	384	295	348	33	236
62	South Atlantic.....	10,395	7,646	1,698	236	346	229	613	46	387
63	East South Central.....	8,014	3,310	1,172	383	305	196	661	155	198
64	West South Central.....	6,982	3,449	1,908	321	235	237	385	131	110
65	Mountain.....	72,366	29,073	18,897	495	311	338	481	200	94
66	Pacific.....	90,213	59,994	21,945	451	390	355	576	87	261
67	United States.....	21,490	15,339	7,907	295	355	372	227	53	114

NOTE.—Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years and for all classes of stations, and for Idaho, Montana, and Rhode Island for municipal stations in 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total primary power.

TABLE 34.—COMMERCIAL CENTRAL STATIONS—FUNDED DEBT AND INCREASE BY PERIODS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Total funded debt.			Increase in funded debt.		
		1912	1907	1902	1902 to 1912	1907 to 1912	1902 to 1907
1	New England:						
2	Maine.....	\$9,885,583	\$7,569,000	\$2,266,500	\$7,619,083	\$2,316,583	\$5,302,500
3	New Hampshire.....	7,427,102	3,880,500	2,486,500	4,940,602	3,546,602	1,394,000
4	Vermont.....	3,732,384	3,042,500	533,000	3,199,384	689,884	2,509,500
5	Massachusetts.....	3,854,100	3,821,000	4,441,506	-587,406	33,100	-620,506
6	Rhode Island.....	3,912,300	1,260,000	785,000	3,127,300	2,652,300	475,000
7	Connecticut.....	5,273,583	5,015,375	3,084,775	2,188,808	258,208	1,930,600
8	Middle Atlantic:						
9	New York.....	150,915,443	154,079,802	86,054,674	64,860,769	-3,164,359	68,025,128
10	New Jersey.....	30,778,222	25,889,250	27,669,500	3,108,722	4,888,972	-1,780,250
11	Pennsylvania.....	84,654,233	49,851,219	37,489,169	47,165,064	34,803,014	12,362,050
12	East North Central:						
13	Ohio.....	17,578,400	11,401,600	5,539,833	12,038,567	6,176,800	5,861,767
14	Indiana.....	24,261,900	15,287,950	2,542,083	21,719,817	8,973,950	12,745,867
15	Illinois.....	65,798,061	41,003,800	15,100,300	50,697,761	24,794,261	25,903,500
16	Michigan.....	34,702,061	15,295,400	2,743,000	31,959,061	19,406,661	12,552,400
17	Wisconsin.....	17,900,584	7,289,500	1,746,650	16,153,934	10,611,084	5,542,850
18	West North Central:						
19	Minnesota.....	28,771,483	19,645,750	4,157,000	24,614,483	9,125,733	15,488,750
20	Iowa.....	9,799,321	5,244,000	2,330,900	7,468,421	4,555,321	2,913,100
21	Missouri.....	23,246,160	30,910,500	6,428,300	16,817,860	-7,664,340	24,482,200
22	North Dakota.....	3,371,700	734,000	30,000	3,341,700	2,637,700	704,000
23	South Dakota.....	4,108,144	1,494,000	127,500	3,980,644	2,614,144	1,366,500
24	Nebraska.....	4,171,151	3,818,600	1,047,000	3,124,151	352,551	2,771,600
25	Kansas.....	9,717,150	2,893,500	448,500	9,268,650	6,823,650	2,445,000
26	South Atlantic:						
27	Delaware.....	671,007	2,683,819	151,528	519,479	-2,012,812	2,532,291
28	Maryland and District of Columbia.....	23,084,193	31,328,281	5,354,972	17,729,221	-8,244,088	25,973,309
29	Virginia.....	3,405,625	600,000	152,500	3,253,125	2,805,625	447,500
30	West Virginia.....	5,173,957	1,054,300	22,300	5,151,657	4,119,657	1,032,000
31	North Carolina.....	4,616,632	369,100	328,400	4,288,232	4,247,532	40,700
32	South Carolina.....	10,975,957	2,209,000	935,000	10,040,957	8,766,957	1,274,000
33	Georgia.....	8,120,805	3,529,500	165,000	7,955,805	4,591,305	3,364,500
34	Florida.....	615,493	487,443	199,000	416,493	128,050	288,443
35	East South Central:						
36	Kentucky.....	8,944,500	5,745,600	1,590,500	7,354,000	3,198,900	4,155,100
37	Tennessee.....	13,322,894	2,736,800	1,859,800	11,463,094	10,586,094	877,000
38	Alabama.....	3,769,917	3,785,100	801,300	2,968,617	-15,183	2,983,800
39	Mississippi.....	1,551,990	115,000	84,000	1,467,990	1,436,990	31,000
40	West South Central:						
41	Arkansas.....	1,549,406	812,000	414,800	1,134,606	737,406	397,200
42	Louisiana.....	5,167,487	2,563,000	2,946,000	2,221,487	2,604,487	-383,000
43	Oklahoma.....	5,208,882	3,946,000	200,000	5,008,882	1,262,882	3,746,000
44	Texas.....	10,466,078	3,905,000	1,556,500	8,909,578	6,561,078	2,348,500
45	Mountain:						
46	Montana.....	21,714,533	7,203,500	2,007,000	19,707,533	14,511,033	5,196,500
47	Idaho.....	15,901,499	958,429	258,000	15,643,499	14,943,070	700,429
48	Wyoming.....	821,000	378,000	136,666	684,334	443,000	241,334
49	Colorado.....	26,331,575	12,297,550	5,581,500	20,750,075	14,034,025	6,716,050
50	New Mexico.....	1,489,000	755,000	129,000	1,360,000	734,000	626,000
51	Arizona.....	3,452,034	908,900	355,000	3,097,034	2,543,134	553,900
52	Utah.....	3,526,860	1,702,250	3,954,000	-427,140	1,824,610	-2,251,750
53	Nevada.....	781,000	780,000	130,000	651,000	1,000	650,000
54	Pacific:						
55	Washington.....	6,558,303	8,348,000	1,372,667	5,185,636	-1,789,697	6,975,333
56	Oregon.....	8,756,419	7,453,500	2,666,500	6,089,919	1,302,919	4,787,000
57	California.....	158,071,570	84,595,367	14,160,300	143,911,270	73,476,203	70,435,067
58	New England.....	34,085,052	24,588,375	13,597,281	20,487,771	9,496,677	10,991,094
59	Middle Atlantic.....	266,347,898	229,820,271	151,213,343	115,134,555	36,527,627	78,606,928
60	East North Central.....	160,241,006	90,278,250	27,671,866	132,569,140	69,962,756	62,606,384
61	West North Central.....	83,185,109	64,740,350	14,569,200	68,615,909	18,444,759	50,171,150
62	South Atlantic.....	56,663,669	42,261,443	7,308,700	49,354,969	14,402,226	34,952,743
63	East South Central.....	27,589,301	12,382,500	4,335,600	23,253,701	15,206,801	8,046,900
64	West South Central.....	22,391,853	11,226,000	5,117,300	17,274,553	11,165,853	6,108,700
65	Mountain.....	74,017,501	24,983,629	12,551,166	61,466,335	49,033,872	12,432,463
66	Pacific.....	173,386,292	100,396,867	18,199,467	155,186,825	72,989,425	82,197,400
67	United States.....	897,907,681	600,677,685	254,563,923	643,343,758	297,229,996	346,113,762

NOTE.—Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years and for all classes of stations, and for Idaho, Montana, and Rhode Island for municipal stations in 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total primary power.



**TABLE 35.—COMMERCIAL CENTRAL STATIONS—FUNDED DEBT PER THOUSAND OF POPULATION AND PER HORSE-POWER OF PRIMARY POWER, AND PERCENTAGE INCREASE IN DEBT BY PERIODS, BY STATES AND BY GEOGRAPHIC DIVISIONS.**

	Per thousand of population.			Per horsepower of primary power.			Percentage increase.		
	1912	1907	1902	1912	1907	1902	1902 to 1912	1907 to 1912	1902 to 1907
New England:									
1 Maine.....	\$13,126	\$10,385	\$3,217	\$113	\$136	\$93	336	31	234
2 New Hampshire.....	17,082	9,126	5,983	90	85	89	199	91	56
3 Vermont.....	10,405	8,631	1,540	86	90	26	600	23	471
4 Massachusetts.....	1,104	1,191	1,519	12	22	38	-13	1	-14
5 Rhode Island.....	6,887	2,469	1,734	78	45	45	398	210	61
6 Connecticut.....	4,542	4,750	3,240	53	97	112	71	5	63
Middle Atlantic:									
7 New York.....	15,846	17,935	11,239	132	217	271	75	-2	79
8 New Jersey.....	11,471	11,008	13,685	130	282	409	11	19	-6
9 Pennsylvania.....	10,624	6,850	5,687	141	172	224	126	70	33
East North Central:									
10 Ohio.....	3,586	2,481	1,292	59	76	65	217	54	106
11 Indiana.....	8,848	5,771	995	157	159	62	854	59	501
12 Illinois.....	11,304	7,582	3,023	111	153	143	336	60	172
13 Michigan.....	11,979	5,665	1,096	105	100	61	1,165	127	458
14 Wisconsin.....	7,481	3,227	822	136	149	54	925	146	317
West North Central:									
15 Minnesota.....	13,393	9,901	2,281	227	188	167	592	46	373
16 Iowa.....	4,408	2,355	1,045	154	142	69	320	87	125
17 Missouri.....	6,974	9,536	2,044	141	311	167	262	-25	381
18 North Dakota.....	5,312	1,456	80	241	83	10	11,139	359	2,347
19 South Dakota.....	6,576	2,807	290	163	133	29	3,122	175	1,072
20 Nebraska.....	3,419	3,300	958	103	148	96	298	9	265
21 Kansas.....	5,584	1,776	296	119	71	38	2,067	236	545
South Atlantic:									
22 Delaware.....	3,253	13,596	804	221	417	196	343	-75	1,671
23 Maryland and District of Columbia.....	13,890	19,815	3,570	221	417	196	331	-26	485
24 Virginia.....	1,616	300	80	70	56	36	2,133	468	293
25 West Virginia.....	4,042	919	22	125	53	2	23,102	391	4,628
26 North Carolina.....	2,029	174	168	84	27	73	1,306	1,151	12
27 South Carolina.....	7,059	1,507	679	51	27	47	1,074	397	136
28 Georgia.....	3,011	1,413	72	115	79	17	4,822	130	2,039
29 Florida.....	767	707	346	37	76	47	209	26	145
East South Central:									
30 Kentucky.....	3,852	2,553	731	120	154	81	463	56	261
31 Tennessee.....	5,995	1,280	905	231	125	122	616	387	47
32 Alabama.....	1,708	1,846	423	134	173	120	370	-0	372
33 Mississippi.....	838	67	52	78	16	18	1,748	1,250	37
West South Central:									
34 Arkansas.....	949	541	303	78	74	56	274	91	96
35 Louisiana.....	3,008	1,623	2,046	243	135	238	75	102	-13
36 Oklahoma.....	2,814	2,795	205	124	193	49	2,504	32	1,873
37 Texas.....	2,561	1,068	482	88	57	48	573	158	151
Mountain:									
38 Montana.....	53,524	21,281	7,398	189	105	63	982	201	259
39 Idaho.....	43,902	3,432	1,314	288	71	47	6,063	1,559	271
40 Wyoming.....	5,199	2,888	1,317	73	74	42	501	117	177
41 Colorado.....	30,726	16,946	9,390	201	151	146	372	114	120
42 New Mexico.....	4,173	2,603	578	145	166	72	1,054	97	485
43 Arizona.....	15,508	5,013	2,534	156	117	140	872	280	156
44 Utah.....	8,929	4,920	13,309	63	51	194	-11	107	-57
45 Nevada.....	8,609	11,033	2,565	51	112	76	501	0	500
Pacific:									
46 Washington.....	5,115	8,645	2,113	171	135	62	378	-21	508
47 Oregon.....	11,984	12,433	5,695	212	59	153	228	17	180
48 California.....	61,332	39,811	8,464	188	223	107	1,016	87	497
49 New England.....	5,036	3,915	2,346	49	64	58	151	39	81
50 Middle Atlantic.....	13,198	12,613	9,294	134	211	274	76	16	52
51 East North Central.....	8,541	5,127	1,681	106	126	89	479	77	226
52 West North Central.....	6,973	5,744	1,372	161	198	115	471	28	344
53 South Central.....	4,501	3,612	676	102	163	91	675	34	478
54 East South Central.....	3,207	1,516	561	153	140	94	536	123	186
55 West South Central.....	2,411	1,378	730	111	94	91	338	99	119
56 Mountain.....	25,989	10,577	6,687	178	113	120	490	196	99
57 Pacific.....	37,783	27,208	6,521	189	177	106	853	73	452
United States.....	9,401	6,866	3,208	129	159	151	253	49	136

NOTE.—Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years and for all classes of stations, and for Idaho, Montana, and Rhode Island for municipal stations in 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total primary power.

TABLE 36.—MUNICIPAL CENTRAL STATIONS—FUNDED DEBT AND INCREASE BY PERIODS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Total funded debt.			Increase in funded debt.		
		1912	1907	1902	1902 to 1912	1907 to 1912	1902 to 1907
	New England:						
1	Maine.....	\$48,500	\$54,320	\$0	\$48,500	—\$5,820	\$54,320
2	New Hampshire.....	115,000	200,000	5,500	109,500	—85,000	194,500
3	Vermont.....	541,900	388,200	257,000	284,900	153,700	131,200
4	Massachusetts.....	1,782,742	1,814,312	809,000	973,742	—31,570	1,005,312
5	Rhode Island.....	0	13,946	20,000	—20,000	—13,946	—6,054
6	Connecticut.....	356,574	737,500	97,500	259,074	—380,926	640,000
	Middle Atlantic:						
7	New York.....	765,980	889,200	519,340	246,640	—123,220	369,860
8	New Jersey.....	164,663	178,520	90,000	74,663	—13,857	88,520
9	Pennsylvania.....	1,117,848	1,168,200	801,600	316,248	—50,352	366,600
	East North Central:						
10	Ohio.....	2,533,520	2,873,260	1,573,900	959,620	—339,740	1,299,360
11	Indiana.....	641,239	726,551	743,656	—102,417	—85,312	—17,105
12	Illinois.....	585,905	427,140	437,365	148,540	158,765	—10,225
13	Michigan.....	2,496,601	2,429,601	1,833,850	662,751	67,000	595,751
14	Wisconsin.....	884,056	682,500	274,500	609,556	201,556	408,000
	West North Central:						
15	Minnesota.....	1,091,336	1,096,050	630,050	461,286	—4,714	466,000
16	Iowa.....	509,789	338,830	318,960	190,829	170,959	19,870
17	Missouri.....	1,268,000	1,081,200	512,950	755,050	186,800	568,250
18	North Dakota.....	120,300	108,040	64,000	56,300	12,260	44,040
19	South Dakota.....	104,315	41,500	35,000	69,315	62,815	6,500
20	Nebraska.....	634,333	290,100	81,400	552,933	344,233	208,700
21	Kansas.....	1,584,728	426,000	64,500	1,520,228	1,158,728	361,500
	South Atlantic:						
22	Delaware.....	64,951	117,500	97,000	—32,049	—52,549	20,500
23	Maryland and District of Columbia.....	166,549	127,000	96,500	70,049	39,549	30,500
24	Virginia.....	1,030,324	240,000	100,000	930,324	790,324	140,000
25	West Virginia.....	28,700	31,200	43,000	—19,300	—2,500	—16,800
26	North Carolina.....	845,888	923,400	189,000	656,888	—77,512	734,400
27	South Carolina.....	398,900	305,500	99,300	299,600	93,400	206,200
28	Georgia.....	1,078,280	971,400	227,000	851,280	106,880	744,400
29	Florida.....	352,823	350,500	134,500	218,323	2,323	216,000
	East South Central:						
30	Kentucky.....	72,400	65,500	0	72,400	6,900	65,500
31	Tennessee.....	823,600	739,700	303,500	525,100	88,900	436,200
32	Alabama.....	467,500	508,500	97,000	370,500	—41,000	411,500
33	Mississippi.....	820,241	1,370,600	231,000	589,241	—550,359	1,139,600
	West South Central:						
34	Arkansas.....	191,929	195,100	47,500	144,429	—3,171	147,600
35	Louisiana.....	91,800	314,650	90,900	900	—222,850	223,750
36	Oklahoma.....	1,448,800	480,000	10,000	1,438,800	968,800	470,000
37	Texas.....	514,000	96,000	85,000	429,000	418,000	11,000
	Mountain:						
38	Montana.....	41,000	48,809	17,000	24,000	—7,809	31,809
39	Idaho.....	170,000	39,745	7,000	163,000	130,255	32,745
40	Wyoming.....	0	0	0	0	0	0
41	Colorado.....	126,925	22,700	5,000	121,925	104,225	17,700
42	New Mexico.....	51,700	0	0	51,700	51,700	0
43	Arizona.....	0	0	0	0	0	0
44	Utah.....	271,186	191,880	1,000	270,186	79,306	190,880
45	Nevada.....	15,000	0	0	15,000	15,000	0
	Pacific:						
46	Washington.....	3,683,200	1,597,500	359,500	3,323,700	2,085,700	1,238,000
47	Oregon.....	443,500	235,100	32,567	410,933	208,400	202,533
48	California.....	637,832	406,400	161,150	476,682	231,432	245,250
49	New England.....	2,844,716	3,208,278	1,189,000	1,655,716	—363,562	2,019,278
50	Middle Atlantic.....	2,048,491	2,235,920	1,410,940	637,551	—187,429	824,980
51	East North Central.....	7,141,321	7,139,052	4,863,271	2,278,050	2,269	2,275,781
52	West North Central.....	5,312,801	3,381,720	1,706,860	3,605,941	1,931,081	1,674,860
53	South Atlantic.....	3,966,415	3,066,500	991,300	2,975,115	899,915	2,075,200
54	East South Central.....	2,188,741	2,684,300	631,500	1,557,241	—495,559	2,052,800
55	West South Central.....	2,246,529	1,085,750	233,400	2,013,129	1,160,779	852,350
56	Mountain.....	675,811	303,134	30,000	645,811	372,677	273,134
57	Pacific.....	4,764,532	2,239,000	553,217	4,211,315	2,525,532	1,685,783
	United States.....	31,189,357	25,343,654	11,609,488	19,579,869	5,845,703	13,734,166

NOTE.—Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years and for all classes of stations, and for Idaho, Montana, and Rhode Island for municipal stations in 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total primary power.



TABLE 37.—MUNICIPAL CENTRAL STATIONS—FUNDED DEBT PER THOUSAND OF POPULATION AND PER HORSE-POWER OF PRIMARY POWER, AND PERCENTAGE INCREASE IN DEBT BY PERIODS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Per thousand of population.			Per horsepower of primary power.			Percentage increase.		
		1912	1907	1902	1912	1907	1902	1902 to 1912	1907 to 1912	1902 to 1907
	New England:									
1	Maine.....	\$64	\$75	\$0	\$19	\$24	\$0	.....	-11	.....
2	New Hampshire.....	264	470	13	92	219	37	1,991	-42	3,536
3	Vermont.....	1,511	1,101	742	80	78	74	111	40	51
4	Massachusetts.....	511	566	277	68	115	129	120	-2	124
5	Rhode Island.....	0	27	44	0	139	200	-100	-100	-30
6	Connecticut.....	307	698	102	38	161	108	266	-52	656
	Middle Atlantic:									
7	New York.....	80	104	68	57	70	87	47	-14	71
8	New Jersey.....	61	76	45	60	105	83	83	-8	98
9	Pennsylvania.....	140	161	122	72	86	99	39	-4	46
	East North Central:									
10	Ohio.....	517	625	367	67	98	88	61	-12	83
11	Indiana.....	234	274	291	20	36	56	-14	-12	-2
12	Illinois.....	101	79	88	11	14	21	34	37	-2
13	Michigan.....	862	900	733	54	77	92	36	3	32
14	Wisconsin.....	369	302	129	64	69	84	222	30	149
	West North Central:									
15	Minnesota.....	508	552	346	52	63	63	73	-0	74
16	Iowa.....	229	152	143	38	35	54	60	50	6
17	Missouri.....	380	334	163	75	90	74	147	17	111
18	North Dakota.....	190	214	171	55	76	67	88	11	69
19	South Dakota.....	167	78	80	40	23	51	198	151	19
20	Nebraska.....	520	251	74	54	69	57	679	119	256
21	Kansas.....	911	262	43	96	57	42	2,357	272	560
	South Atlantic:									
22	Delaware.....	315	595	515	40	88	119	-33	-45	21
23	Maryland and District of Columbia.....	100	80	64	40	52	101	73	31	32
24	Virginia.....	489	120	53	92	62	83	930	329	140
25	West Virginia.....	22	27	47	17	20	33	-40	-8	-35
26	North Carolina.....	372	436	96	86	136	93	348	-8	389
27	South Carolina.....	257	208	72	100	117	79	302	31	208
28	Georgia.....	400	389	99	63	97	81	375	11	328
29	Florida.....	440	508	234	21	44	71	162	1	161
	East South Central:									
30	Kentucky.....	31	29	0	10	14	0	.....	11	.....
31	Tennessee.....	373	346	148	73	108	80	173	12	144
32	Alabama.....	212	248	51	73	112	104	382	-8	424
33	Mississippi.....	443	757	144	78	168	80	255	-40	493
	West South Central:									
34	Arkansas.....	118	130	35	32	67	44	304	-2	311
35	Louisiana.....	53	199	63	16	73	66	1	-71	246
36	Oklahoma.....	783	340	10	121	219	28	14,388	202	4,700
37	Texas.....	126	26	26	65	33	38	505	435	13
	Mountain:									
38	Montana.....	101	144	63	44	139	68	141	-16	187
39	Idaho.....	469	142	36	155	139	0	2,329	328	468
40	Wyoming.....	0	0	0	0	0	0	0	0	0
41	Colorado.....	148	31	8	44	23	42	2,438	459	354
42	New Mexico.....	145	0	0	71	0	0	.....	.....	0
43	Arizona.....	0	0	0	0	0	0	0	0	0
44	Utah.....	687	555	3	64	71	8	27,019	41	19,088
45	Nevada.....	165	0	0	0	0	0	.....	.....	0
	Pacific:									
46	Washington.....	2,873	1,654	553	64	295	599	925	131	344
47	Oregon.....	607	392	70	95	389	104	1,262	89	622
48	California.....	247	191	96	67	78	76	296	57	152
49	New England.....	420	511	205	62	112	104	139	-11	170
50	Middle Atlantic.....	102	123	87	65	80	93	45	-8	58
51	East North Central.....	381	405	295	40	58	64	47	0	47
52	West North Central.....	445	300	161	63	62	62	211	57	98
53	South Atlantic.....	315	262	92	59	84	80	300	29	209
54	East South Central.....	254	329	82	61	111	67	247	-18	325
55	West South Central.....	242	133	33	71	88	46	863	107	365
56	Mountain.....	237	128	16	66	70	61	2,153	123	910
57	Pacific.....	1,038	607	198	66	199	183	761	113	305
	United States.....	327	290	146	56	79	73	169	23	118

NOTE.—Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years and for all classes of stations, and for Idaho, Montana, and Rhode Island for municipal stations in 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total primary power.



TABLE 38.—COMMERCIAL AND MUNICIPAL CENTRAL STATIONS—INCOME, EXPENSES, AND SURPLUS, 1912, 1907, AND 1902, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Income.			Expenses.			Surplus.		
		1912	1907	1902	1912	1907	1902	1912	1907 <sup>a</sup>	1902
	New England:									
1	Maine.....	\$2, 118, 508	\$1, 453, 016	\$692, 350	\$1, 577, 938	\$866, 807	\$571, 089	\$540, 570	\$586, 209	\$121, 261
2	New Hampshire.....	2, 328, 263	1, 422, 345	832, 322	1, 596, 152	704, 964	554, 967	732, 111	717, 381	277, 355
3	Vermont.....	1, 228, 361	841, 701	485, 505	824, 443	521, 143	333, 853	403, 918	320, 558	151, 652
4	Massachusetts.....	16, 306, 909	10, 749, 240	6, 340, 944	11, 651, 739	6, 809, 793	4, 708, 732	4, 655, 170	3, 939, 447	1, 632, 212
5	Rhode Island.....	2, 305, 176	1, 724, 659	1, 026, 407	1, 654, 848	990, 845	803, 161	650, 328	733, 814	223, 246
6	Connecticut.....	5, 347, 552	2, 469, 543	1, 319, 549	4, 109, 311	1, 422, 717	981, 831	1, 238, 241	1, 046, 826	337, 718
	Middle Atlantic:									
7	New York.....	57, 218, 973	34, 859, 170	16, 854, 839	44, 297, 869	19, 528, 187	14, 706, 366	12, 921, 104	15, 330, 983	2, 148, 473
8	New Jersey.....	10, 944, 367	5, 952, 378	3, 421, 304	9, 348, 864	3, 702, 064	3, 413, 914	1, 595, 503	2, 250, 314	7, 390
9	Pennsylvania.....	24, 387, 863	16, 015, 392	9, 486, 867	18, 174, 684	9, 884, 187	7, 547, 967	6, 213, 179	6, 131, 205	1, 938, 900
	East North Central:									
10	Ohio.....	11, 905, 111	7, 643, 997	4, 431, 038	8, 722, 293	5, 336, 848	3, 286, 336	3, 182, 818	2, 307, 149	1, 144, 702
11	Indiana.....	7, 711, 223	4, 438, 332	2, 105, 146	6, 028, 909	2, 895, 729	1, 573, 908	1, 682, 314	1, 542, 603	531, 238
12	Illinois.....	30, 045, 297	15, 465, 993	6, 757, 015	23, 557, 887	8, 252, 762	4, 961, 915	6, 487, 410	7, 213, 231	1, 795, 100
13	Michigan.....	11, 518, 256	6, 072, 010	2, 613, 812	9, 784, 138	3, 754, 215	1, 948, 546	1, 734, 118	2, 317, 795	665, 266
14	Wisconsin.....	6, 274, 589	2, 278, 637	1, 288, 020	5, 321, 258	1, 641, 894	957, 021	953, 331	636, 743	330, 999
	West North Central:									
15	Minnesota.....	6, 937, 841	3, 478, 009	1, 858, 789	5, 580, 525	2, 259, 919	1, 459, 874	1, 357, 316	1, 218, 090	398, 915
16	Iowa.....	4, 405, 365	2, 479, 969	1, 545, 663	3, 328, 740	1, 701, 173	1, 223, 682	1, 076, 625	778, 796	321, 981
17	Missouri.....	9, 746, 600	5, 805, 828	2, 392, 149	7, 484, 853	3, 754, 747	2, 042, 422	2, 261, 747	2, 051, 081	349, 727
18	North Dakota.....	873, 111	533, 383	197, 689	714, 294	368, 604	157, 275	158, 817	164, 779	40, 414
19	South Dakota.....	1, 162, 522	513, 682	207, 868	965, 763	359, 086	157, 971	196, 759	154, 596	49, 897
20	Nebraska.....	2, 802, 614	1, 562, 669	601, 777	2, 239, 542	968, 713	431, 342	563, 072	593, 956	170, 435
21	Kansas.....	3, 020, 154	1, 514, 867	650, 833	2, 626, 270	1, 031, 312	480, 482	393, 884	483, 555	170, 351
	South Atlantic:									
22	Delaware.....	262, 498	213, 585	94, 902	203, 553	135, 162	82, 439	58, 945	78, 423	12, 463
23	Maryland and District of Columbia.....	4, 968, 106	3, 134, 143	1, 617, 146	3, 852, 502	2, 257, 509	1, 364, 411	1, 115, 604	876, 634	252, 735
24	Virginia.....	805, 022	390, 628	210, 632	567, 459	238, 205	171, 185	237, 563	152, 423	39, 447
25	West Virginia.....	1, 167, 583	724, 253	322, 015	897, 843	479, 011	229, 558	269, 740	245, 242	92, 457
26	North Carolina.....	1, 458, 786	543, 322	250, 133	1, 046, 217	370, 375	192, 775	412, 569	172, 947	57, 358
27	South Carolina.....	4, 499, 800	901, 537	387, 010	2, 850, 661	511, 486	272, 729	1, 649, 139	390, 051	114, 281
28	Georgia.....	1, 968, 599	1, 110, 510	357, 565	1, 655, 420	612, 975	254, 838	313, 179	497, 535	102, 727
29	Florida.....	1, 361, 201	654, 251	324, 770	1, 052, 696	433, 230	224, 637	308, 505	221, 021	100, 133
	East South Central:									
30	Kentucky.....	2, 754, 115	1, 660, 700	850, 086	2, 244, 906	1, 010, 338	709, 234	509, 209	650, 362	140, 852
31	Tennessee.....	2, 448, 218	1, 299, 983	912, 482	1, 753, 875	736, 964	587, 032	694, 343	563, 019	325, 450
32	Alabama.....	1, 257, 720	1, 012, 743	385, 263	980, 169	650, 231	284, 537	277, 551	362, 512	100, 726
33	Mississippi.....	1, 167, 787	686, 700	366, 934	878, 379	441, 281	277, 719	289, 408	245, 419	89, 215
	West South Central:									
34	Arkansas.....	1, 053, 763	675, 718	425, 317	749, 029	443, 735	278, 817	304, 734	231, 983	146, 500
35	Louisiana.....	2, 278, 754	1, 852, 383	971, 631	1, 604, 019	1, 189, 726	682, 939	674, 735	662, 657	288, 692
36	Oklahoma.....	2, 357, 950	1, 106, 316	281, 452	1, 888, 706	791, 687	176, 539	469, 244	314, 629	104, 913
37	Texas.....	6, 783, 972	3, 792, 203	2, 074, 558	4, 924, 093	2, 900, 888	1, 477, 931	1, 859, 879	891, 315	596, 627
	Mountain:									
38	Montana.....	3, 883, 410	2, 469, 131	1, 025, 971	2, 411, 668	1, 102, 955	660, 476	1, 471, 742	1, 366, 176	365, 495
39	Idaho.....	1, 615, 940	719, 395	192, 206	1, 537, 260	415, 579	141, 160	78, 680	303, 816	51, 046
40	Wyoming.....	607, 095	317, 580	159, 216	445, 789	215, 773	111, 582	161, 306	101, 807	47, 634
41	Colorado.....	4, 791, 340	3, 410, 240	1, 652, 505	3, 997, 760	2, 150, 135	1, 537, 471	793, 580	1, 260, 105	115, 034
42	New Mexico.....	497, 895	292, 682	135, 307	449, 516	208, 614	102, 201	48, 379	84, 068	33, 106
43	Arizona.....	1, 173, 186	569, 850	293, 066	923, 258	414, 347	240, 953	249, 928	155, 503	52, 113
44	Utah.....	1, 549, 265	665, 241	714, 353	1, 206, 729	353, 108	607, 769	342, 536	312, 133	106, 584
45	Nevada.....	618, 942	372, 108	44, 549	428, 255	198, 491	39, 687	190, 687	173, 617	4, 862
	Pacific:									
46	Washington.....	3, 087, 721	3, 410, 542	783, 651	2, 270, 132	1, 911, 691	651, 495	817, 589	1, 498, 851	132, 156
47	Oregon.....	1, 422, 703	1, 965, 245	691, 582	1, 205, 738	918, 760	499, 632	216, 965	1, 046, 485	191, 950
48	California.....	27, 685, 573	14, 416, 529	5, 066, 417	22, 803, 526	8, 357, 184	3, 918, 975	4, 882, 047	6, 059, 345	1, 147, 442
49	New England.....	29, 634, 769	18, 660, 504	10, 697, 077	21, 414, 431	11, 316, 269	7, 953, 633	8, 220, 338	7, 344, 235	2, 743, 444
50	Middle Atlantic.....	92, 551, 203	56, 826, 940	29, 763, 010	71, 821, 417	33, 114, 438	25, 668, 247	20, 729, 786	23, 712, 502	4, 094, 763
51	East North Central.....	67, 454, 476	35, 898, 969	17, 195, 031	53, 414, 485	21, 881, 448	12, 727, 726	14, 039, 991	14, 017, 521	4, 467, 305
52	West North Central.....	28, 948, 207	15, 888, 407	7, 454, 768	22, 939, 987	10, 443, 554	5, 953, 048	6, 008, 220	5, 444, 853	1, 501, 720
53	South Atlantic.....	16, 491, 595	7, 672, 229	3, 564, 173	12, 126, 351	5, 037, 953	2, 792, 572	4, 365, 244	2, 634, 276	771, 601
54	East South Central.....	7, 627, 840	4, 660, 126	2, 514, 765	5, 857, 329	2, 838, 814	1, 858, 522	1, 770, 511	1, 821, 312	656, 243
55	West South Central.....	12, 474, 439	7, 426, 620	3, 752, 958	9, 165, 847	5, 326, 036	2, 616, 226	3, 308, 592	2, 100, 584	1, 136, 732
56	Mountain.....	14, 737, 073	8, 816, 227	4, 217, 173	11, 400, 235	5, 059, 002	3, 441, 299	3, 336, 838	3, 757, 225	775, 874
57	Pacific.....	32, 195, 997	19, 792, 316	6, 541, 650	26, 279, 396	11, 187, 635	5, 070, 102	5, 916, 601	8, 604, 681	1, 471, 548
	United States.....	302, 115, 599	175, 642, 338	85, 700, 605	234, 419, 478	106, 205, 149	68, 081, 375	67, 696, 121	69, 437, 189	17, 619, 230

NOTE.—“Expenses” as reported by the census are not strictly comparable for the years 1902, 1907, and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations amounting to 8.7 per cent of the total are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges, the last three columns in the table gives “Surplus” for 1902 and 1912, and net income for 1907.

Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware and for Maryland and District of Columbia have been estimated on the assumption that total amounts are in proportion to total power output.

<sup>a</sup> See note.



**TABLE 39.—COMMERCIAL AND MUNICIPAL CENTRAL STATIONS—INCOME, EXPENSES, AND SURPLUS, PER THOUSAND OF POPULATION, 1912, 1907, AND 1902, AND INCOME PER HORSEPOWER OF PRIMARY POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS.**

		Per thousand of population.									Per horsepower of primary power—Income.		
		Income.			Expenses.			Surplus.			1912	1907	1902
		1912	1907	1902	1912	1907	1902	1912	1907 <sup>a</sup>	1902			
1	New England:												
2	Maine.....	\$2,813	\$1,993	\$982	\$2,095	\$1,189	\$810	\$718	\$804	\$172	\$23.6	\$25.1	\$27.8
3	New Hampshire.....	5,355	3,345	2,002	3,671	1,658	1,335	1,684	1,687	667	27.7	30.4	29.7
4	Vermont.....	3,424	2,387	1,402	2,298	1,478	964	1,126	909	438	24.4	21.8	20.4
5	Massachusetts.....	4,670	3,351	2,168	3,337	2,123	1,610	1,333	1,228	558	46.5	57.1	51.0
6	Rhode Island.....	4,058	3,379	2,268	2,913	1,941	1,775	1,145	1,438	493	45.7	61.6	58.3
7	Connecticut.....	4,605	2,338	1,386	3,539	1,347	1,031	1,066	991	355	48.8	43.9	46.5
8	Middle Atlantic:												
9	New York.....	6,008	4,057	2,202	4,651	2,273	1,921	1,357	1,784	281	49.5	48.2	52.1
10	New Jersey.....	4,079	2,531	1,693	3,484	1,574	1,689	595	957	4	45.7	63.6	49.7
11	Pennsylvania.....	3,061	2,200	1,439	2,281	1,358	1,145	780	842	294	39.6	53.0	54.0
12	East North Central:												
13	Ohio.....	2,428	1,663	1,034	1,779	1,161	767	649	502	267	35.3	42.7	42.7
14	Indiana.....	2,813	1,675	824	2,199	1,093	616	614	582	208	41.6	38.0	38.8
15	Illinois.....	5,162	2,860	1,352	4,047	1,526	993	1,115	1,334	359	46.5	51.7	53.2
16	Michigan.....	3,976	2,249	1,044	3,377	1,391	778	599	858	266	30.5	33.0	40.3
17	Wisconsin.....	2,622	1,009	606	2,224	727	450	398	282	156	43.2	38.7	36.1
18	West North Central:												
19	Minnesota.....	3,230	1,753	1,021	2,598	1,139	802	632	614	219	46.9	28.6	53.3
20	Iowa.....	1,981	1,114	693	1,497	764	549	484	350	144	57.2	53.1	39.2
21	Missouri.....	2,924	1,791	760	2,245	1,158	649	679	633	111	53.5	52.1	52.8
22	North Dakota.....	1,375	1,058	529	1,125	731	421	250	327	108	54.0	51.9	50.3
23	South Dakota.....	1,861	965	472	1,546	675	359	315	290	113	41.9	39.6	41.1
24	Nebraska.....	2,298	1,350	551	1,836	837	395	462	513	156	53.6	52.1	48.8
25	Kansas.....	1,735	930	429	1,509	633	317	226	297	112	30.7	31.3	49.0
26	South Atlantic:												
27	Delaware.....	1,273	1,082	504	987	685	438	286	397	66	56.5	27.5	59.9
28	Maryland and District of Columbia.....	2,989	1,982	1,078	2,318	1,428	910	671	554	168	45.8	40.4	57.1
29	Virginia.....	382	195	111	269	119	90	113	76	21	13.5	26.7	38.7
30	West Virginia.....	912	632	317	701	418	226	211	214	91	27.0	33.8	29.7
31	North Carolina.....	641	257	127	460	175	98	181	82	29	22.4	26.3	38.1
32	South Carolina.....	2,894	615	281	1,833	349	198	1,061	266	83	20.5	10.7	18.3
33	Georgia.....	730	444	156	614	245	111	116	199	45	22.4	20.3	28.3
34	Florida.....	1,695	949	564	1,311	628	390	384	321	174	40.2	45.5	53.1
35	East South Central:												
36	Kentucky.....	1,186	738	391	967	449	326	219	289	65	33.7	39.6	39.7
37	Tennessee.....	1,101	608	444	789	345	286	312	263	158	35.5	45.3	48.0
38	Alabama.....	570	494	203	444	317	150	126	177	53	36.5	38.3	50.5
39	Mississippi.....	630	397	229	474	255	173	156	142	56	38.3	44.2	47.9
40	West South Central:												
41	Arkansas.....	646	451	311	459	296	204	187	155	107	40.8	48.4	50.5
42	Louisiana.....	1,327	1,174	674	934	754	474	393	420	200	83.8	79.5	70.6
43	Oklahoma.....	1,273	784	289	1,020	561	181	253	223	108	43.7	48.9	63.9
44	Texas.....	1,660	1,037	643	1,205	793	458	455	244	185	53.6	52.7	59.4
45	Mountain:												
46	Montana.....	9,573	7,294	3,782	5,945	3,258	2,435	3,628	4,036	1,347	33.5	35.9	32.2
47	Idaho.....	4,461	2,576	979	4,244	1,488	719	217	1,088	200	28.7	52.5	35.3
48	Wyoming.....	3,845	2,426	1,534	2,823	1,648	1,075	1,022	778	459	52.3	62.0	49.4
49	Colorado.....	5,591	4,699	2,781	4,665	2,963	2,587	1,736	926	194	35.7	41.4	43.2
50	New Mexico.....	1,396	1,009	606	1,260	719	458	136	290	148	45.2	64.4	76.0
51	Arizona.....	5,271	3,143	2,092	4,148	2,285	1,720	1,123	858	372	53.1	73.6	115.4
52	Utah.....	3,922	1,923	2,405	3,055	1,021	2,046	867	902	359	25.6	18.5	35.0
53	Nevada.....	6,823	5,264	879	4,721	2,808	783	2,102	2,456	96	40.2	53.3	25.9
54	Pacific:												
55	Washington.....	2,409	3,532	1,206	1,771	1,980	1,003	638	1,552	203	32.2	50.7	34.3
56	Oregon.....	1,947	3,279	1,477	1,650	1,533	1,067	297	1,746	410	30.9	15.5	38.9
57	California.....	10,742	6,785	3,028	8,848	3,933	2,342	1,894	2,852	686	32.7	37.5	37.6
58	New England.....	4,379	2,971	1,845	3,164	1,802	1,372	1,215	1,169	473	40.3	44.9	43.3
59	Middle Atlantic.....	4,586	3,118	1,830	3,559	1,817	1,578	1,027	1,301	252	46.0	50.8	52.4
60	East North Central.....	3,595	2,039	1,044	2,847	1,243	773	748	796	271	39.9	42.8	44.6
61	West North Central.....	2,427	1,410	702	1,923	927	561	504	483	141	48.1	41.7	48.3
62	South Atlantic.....	1,310	656	329	963	431	258	347	225	71	26.5	26.0	38.4
63	East South Central.....	887	571	325	681	348	240	206	223	85	35.4	41.4	45.2
64	West South Central.....	1,343	912	535	987	654	373	356	258	162	53.4	56.3	61.0
65	Mountain.....	5,175	3,733	2,246	4,003	2,142	1,833	1,172	1,591	413	34.5	39.2	40.1
66	Pacific.....	7,016	5,364	2,344	5,727	3,032	1,817	1,289	2,332	527	32.5	34.2	37.3
67	United States.....	3,163	2,008	1,080	2,454	1,214	858	709	794	222	40.1	42.8	46.4

NOTE.—“Expenses” as reported by the census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations amounting to 8.7 per cent of the total are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges, the column headed “Surplus” gives surplus for 1902 and 1912, and net income for 1907.

Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware and for Maryland and District of Columbia have been estimated on the assumption that total amounts are in proportion to total power output.

<sup>a</sup> See note.



TABLE 40.—COMMERCIAL AND MUNICIPAL CENTRAL STATIONS—INCOME, EXPENSES, AND SURPLUS, PER HORSE-POWER YEAR OF POWER GENERATED, 1912, 1907, AND 1902, AND EXPENSES AND SURPLUS, PER HORSEPOWER OF PRIMARY POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Per horsepower of primary power.						Per horsepower year of power generated.								
		Expenses.			Surplus.			Income.			Expenses.			Surplus.		
		1912	1907	1902	1912	1907 <sup>a</sup>	1902	1912	1907	1902	1912	1907	1902	1912	1907 <sup>a</sup>	1902
1	New England:															
2	Maine.....	\$17.6	\$15.0	\$22.9	\$6.0	\$10.1	\$4.9	\$118	\$143	\$205	\$88	\$85	\$169	\$30	\$58	\$36
3	New Hampshire.....	19.0	15.1	19.8	8.7	15.3	9.9	120	168	198	82	83	132	38	85	66
4	Vermont.....	16.4	13.5	14.0	8.0	8.3	6.4	142	184	141	95	114	97	47	70	44
5	Massachusetts.....	33.2	36.2	37.9	13.3	20.9	13.1	276	319	329	197	202	244	79	117	85
6	Rhode Island.....	32.8	35.4	45.6	12.9	26.2	12.7	242	315	286	174	181	224	68	134	62
7	Connecticut.....	37.5	25.3	34.6	11.3	18.6	11.9	267	239	322	205	138	240	62	101	82
8	Middle Atlantic:															
9	New York.....	38.3	27.0	45.5	11.2	21.2	6.6	172	157	157	133	88	137	39	69	20
10	New Jersey.....	39.0	39.6	49.6	6.7	24.0	.1	186	276	284	159	172	283	27	104	1
11	Pennsylvania.....	29.5	32.7	43.0	10.1	20.3	11.0	161	251	256	120	155	204	41	96	52
12	East North Central:															
13	Ohio.....	25.9	29.8	31.7	9.4	12.9	11.0	195	229	227	143	160	168	52	69	59
14	Indiana.....	32.5	24.8	29.0	9.1	13.2	9.8	212	222	182	166	145	136	46	77	46
15	Illinois.....	36.5	27.6	39.1	10.0	24.1	14.1	171	216	273	134	115	200	37	101	73
16	Michigan.....	25.9	20.4	30.0	4.6	12.6	10.3	143	191	212	121	118	158	22	73	54
17	Wisconsin.....	36.6	27.9	26.8	6.6	10.8	9.3	190	283	280	161	204	208	29	79	72
18	West North Central:															
19	Minnesota.....	37.7	18.6	41.9	9.2	10.0	11.4	244	259	302	196	168	237	48	91	56
20	Iowa.....	43.2	36.4	31.0	14.0	16.7	8.2	428	429	277	323	294	219	105	135	58
21	Missouri.....	41.1	33.7	45.1	12.4	18.4	7.7	273	257	272	210	166	232	63	91	40
22	North Dakota.....	44.2	35.9	40.0	9.8	16.0	10.3	463	423	220	379	292	175	84	131	45
23	South Dakota.....	34.8	27.7	31.2	7.1	11.9	9.9	307	246	319	255	172	242	52	74	77
24	Nebraska.....	42.8	32.3	35.0	10.8	19.8	13.8	325	319	319	260	198	229	65	121	90
25	Kansas.....	26.7	21.3	36.2	4.0	10.0	12.8	148	166	318	129	113	235	19	53	83
26	South Atlantic:															
27	Delaware.....	43.8	17.4	52.0	12.7	10.1	7.9	503	295	222	390	187	193	113	108	29
28	Maryland and District of Columbia.....	35.5	29.1	48.2	10.3	11.3	8.9	503	278	284	390	200	240	113	78	44
29	Virginia.....	9.5	16.3	31.5	4.0	10.4	7.2	183	249	199	129	152	162	54	97	37
30	West Virginia.....	20.8	22.4	21.2	6.2	11.4	8.5	180	190	185	138	126	132	42	64	53
31	North Carolina.....	16.1	17.9	29.4	6.3	8.4	8.7	135	269	196	97	183	151	38	86	45
32	South Carolina.....	13.0	6.1	12.9	7.5	4.6	5.4	82	86	137	52	49	97	30	37	40
33	Georgia.....	18.8	11.2	20.2	3.6	9.1	8.1	146	122	236	123	67	168	23	55	68
34	Florida.....	31.1	30.1	36.7	9.1	15.4	16.4	343	363	263	265	240	182	78	123	81
35	East South Central:															
36	Kentucky.....	27.5	24.1	33.1	6.2	15.5	6.6	238	291	199	194	177	166	44	114	33
37	Tennessee.....	25.4	25.7	30.9	10.1	19.6	17.1	211	243	243	151	138	156	60	105	87
38	Alabama.....	28.4	24.6	37.3	8.1	13.7	13.2	169	214	217	132	137	160	37	77	57
39	Mississippi.....	28.8	28.4	36.3	9.5	15.8	11.6	273	285	243	205	183	184	68	102	59
40	West South Central:															
41	Arkansas.....	29.0	31.8	33.1	11.8	16.6	17.4	387	382	278	275	251	182	112	131	96
42	Louisiana.....	59.0	51.1	49.6	24.8	28.4	21.0	811	458	363	571	294	255	240	164	108
43	Oklahoma.....	35.0	35.0	40.1	8.7	13.9	23.8	315	289	480	252	207	301	63	82	179
44	Texas.....	38.9	40.3	42.3	14.7	12.4	17.1	297	327	277	216	250	197	81	77	80
45	Mountain:															
46	Montana.....	20.8	16.0	20.7	12.7	19.9	11.5	67	117	183	42	52	118	25	65	65
47	Idaho.....	27.3	30.3	25.9	1.4	22.2	9.4	91	490	250	87	283	184	4	207	66
48	Wyoming.....	38.4	42.1	34.6	13.9	19.9	14.8	342	377	268	251	256	188	91	121	80
49	Colorado.....	29.8	26.1	40.2	5.9	15.3	3.0	189	181	179	158	114	167	31	67	12
50	New Mexico.....	40.8	45.9	57.4	4.4	18.5	18.6	360	414	335	325	295	253	35	119	82
51	Arizona.....	41.8	53.5	94.9	11.3	20.1	20.5	232	396	523	183	288	430	49	108	93
52	Utah.....	19.9	9.8	29.7	5.7	8.7	5.3	117	70	143	91	37	122	26	33	21
53	Nevada.....	27.8	28.4	23.1	12.4	24.9	2.8	90	82	193	62	44	172	28	38	21
54	Pacific:															
55	Washington.....	23.7	28.4	28.5	8.5	22.3	5.8	282	86	260	207	48	216	75	38	44
56	Oregon.....	26.2	7.2	28.1	4.7	8.3	10.8	153	139	257	134	65	186	24	74	71
57	California.....	26.9	21.7	29.1	5.8	15.8	8.5	103	142	216	85	82	167	18	60	49
58	New England.....	29.1	27.2	32.2	11.2	17.7	11.1	220	257	281	159	156	209	61	101	72
59	Middle Atlantic.....	35.7	29.6	45.2	10.3	21.2	7.2	170	185	190	132	108	164	38	77	26
60	East North Central.....	31.6	26.1	33.0	8.3	16.7	11.6	174	218	236	138	133	175	36	85	61
61	West North Central.....	38.1	27.4	38.6	10.0	14.3	9.7	265	268	286	210	176	228	55	92	58
62	South Atlantic.....	19.5	17.1	30.1	7.0	8.9	8.3	158	188	226	116	123	177	42	65	49
63	East South Central.....	27.2	25.2	33.4	8.2	16.2	11.8	219	256	222	168	156	164	51	100	58
64	West South Central.....	39.2	40.4	42.5	14.2	15.9	18.5	348	349	306	256	213	213	92	99	93
65	Mountain.....	26.7	22.5	32.7	7.8	16.7	7.4	114	151	189	88	87	154	26	64	35
66	Pacific.....	26.5	19.3	28.9	6.0	14.9	8.4	112	128	225	91	72	174	21	56	51
67	United States.....	31.1	25.9	36.9	9.0	16.9	9.5	171	195	223	133	118	177	38	77	46

NOTE.—“Expenses,” as reported by the census, are not strictly comparable for the years 1902, 1907, and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035, or \$20,497,898 for all stations, amounting to 8.7 per cent of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges, the columns headed “Surplus” gives surplus for 1902 and 1912, and net income for 1907.

Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and District of Columbia, have been estimated on the assumption that total amounts are in proportion to total power output.

<sup>a</sup> See note.



TABLE 41.—COMMERCIAL CENTRAL STATIONS—INCOME, EXPENSES, AND SURPLUS, 1912, 1907, AND 1902, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Income.			Expenses.			Surplus.		
		1912	1907	1902	1912	1907	1902	1912	1907 <sup>a</sup>	1902
1	New England:									
2	Maine.....	\$2,038,013	\$1,383,022	\$678,250	\$1,521,129	\$834,066	\$563,774	\$516,884	\$548,956	\$114,476
3	New Hampshire.....	2,302,631	1,400,058	829,072	1,578,563	693,051	551,934	724,068	707,007	277,138
4	Vermont.....	1,061,086	732,283	433,392	697,631	452,250	298,216	363,455	280,033	135,176
5	Massachusetts.....	15,013,562	9,990,531	6,070,643	10,620,760	6,340,137	4,445,748	4,392,802	3,659,394	1,624,895
6	Rhode Island.....	2,294,628	1,710,432	1,017,630	1,648,794	982,260	795,134	645,834	728,172	222,496
7	Connecticut.....	5,068,343	2,306,778	1,273,613	3,894,010	1,334,099	948,133	1,174,333	971,679	325,480
8	Middle Atlantic:									
9	New York.....	56,618,990	34,410,708	16,631,802	43,839,868	19,228,083	14,519,374	12,779,122	15,182,625	2,112,428
10	New Jersey.....	10,816,549	5,882,309	3,378,651	9,249,612	3,664,476	3,388,132	1,566,937	2,217,833	-9,481
11	Pennsylvania.....	23,746,013	15,355,241	9,057,503	17,709,975	9,495,470	7,242,338	6,036,038	5,859,771	1,815,165
12	East North Central:									
13	Ohio.....	10,297,613	6,508,718	3,729,339	7,546,896	4,594,430	2,716,493	2,750,717	1,914,288	1,012,846
14	Indiana.....	6,335,268	3,580,833	1,604,099	5,106,111	2,311,436	1,215,113	1,229,157	1,269,397	388,986
15	Illinois.....	27,639,832	13,960,932	5,578,012	21,889,335	7,185,497	4,241,089	5,750,497	6,775,435	1,336,923
16	Michigan.....	9,864,363	4,838,924	1,855,714	8,580,242	2,964,020	1,365,973	1,284,121	1,874,904	489,741
17	Wisconsin.....	5,662,586	1,899,907	1,166,533	4,817,605	1,357,715	864,353	844,981	542,192	302,180
18	West North Central:									
19	Minnesota.....	5,859,001	2,706,790	1,448,084	4,747,351	1,707,166	1,124,191	1,111,650	999,624	323,893
20	Iowa.....	3,738,647	2,063,180	1,297,589	2,804,309	1,398,440	1,034,893	934,338	664,740	262,696
21	Missouri.....	8,941,729	5,301,950	2,121,604	6,860,194	3,411,378	1,829,745	2,081,535	1,890,572	291,859
22	North Dakota.....	750,378	456,641	143,205	614,024	300,081	112,891	136,354	156,560	30,314
23	South Dakota.....	1,015,577	439,767	179,114	852,992	301,907	135,371	162,585	137,860	43,743
24	Nebraska.....	2,245,368	1,344,080	540,859	1,826,531	846,697	383,419	418,837	497,883	157,440
25	Kansas.....	2,395,839	1,282,639	588,138	2,119,553	873,851	430,853	276,286	408,788	157,285
26	South Atlantic:									
27	Delaware.....	178,687	171,419	67,870	139,117	101,359	57,177	39,570	70,060	10,693
28	Maryland and District of Co-									
29	lumbia.....	4,874,683	3,041,998	1,583,601	3,795,184	2,183,864	1,333,590	1,079,499	858,134	249,411
30	Virginia.....	520,318	253,055	154,806	372,737	161,857	128,367	147,581	91,198	26,499
31	West Virginia.....	1,109,575	669,518	265,276	853,449	432,949	193,045	256,126	236,569	72,231
32	North Carolina.....	852,818	229,882	154,407	640,436	156,884	119,519	212,382	72,998	34,888
33	South Carolina.....	4,260,076	754,011	338,219	2,689,713	394,361	226,658	1,570,363	359,650	111,561
34	Georgia.....	1,210,989	657,015	225,795	1,108,986	340,430	155,470	102,003	316,585	70,325
35	Florida.....	632,508	274,022	191,637	480,802	214,647	145,431	151,706	59,375	46,206
36	East South Central:									
37	Kentucky.....	2,508,254	1,480,713	787,700	2,063,403	905,091	662,360	444,851	575,622	125,340
38	Tennessee.....	1,919,225	1,012,443	828,189	1,489,761	567,354	519,219	429,464	445,089	308,970
39	Alabama.....	984,422	827,167	340,289	766,521	528,317	250,293	217,901	298,850	89,996
40	Mississippi.....	741,731	357,818	245,788	535,376	223,256	182,835	206,355	134,562	62,933
41	West South Central:									
42	Arkansas.....	795,190	553,247	382,278	586,916	355,807	240,064	208,274	197,440	142,214
43	Louisiana.....	2,009,170	1,609,836	894,240	1,396,189	1,006,710	618,906	612,981	603,126	275,334
44	Oklahoma.....	1,934,526	1,019,945	265,525	1,482,274	727,276	166,166	452,252	292,669	99,359
45	Texas.....	6,339,750	3,584,969	1,957,568	4,622,195	2,780,970	1,393,823	1,717,555	803,999	563,745
46	Mountain:									
47	Montana.....	3,812,303	2,439,922	1,009,763	2,354,067	1,084,484	648,688	1,458,236	1,355,438	361,075
48	Idaho.....	1,538,596	687,522	186,554	1,493,871	397,611	136,780	44,725	289,911	49,774
49	Wyoming.....	595,227	317,580	159,216	437,104	215,773	111,582	158,123	101,807	47,634
50	Colorado.....	4,692,333	3,358,063	1,646,979	3,926,649	2,118,644	1,532,613	765,684	1,239,419	114,316
51	New Mexico.....	477,277	292,682	135,307	430,846	208,614	102,201	46,431	84,068	33,106
52	Arizona.....	1,173,186	569,850	293,066	923,258	414,347	240,953	248,928	155,503	52,113
53	Utah.....	1,403,703	608,107	711,483	1,120,767	320,837	605,767	282,936	287,270	105,716
54	Nevada.....	616,056	372,108	44,549	426,750	198,491	39,687	189,306	173,617	4,862
55	Pacific:									
56	Washington.....	1,638,574	2,874,880	635,443	1,348,871	1,642,823	506,027	289,703	1,232,057	129,416
57	Oregon.....	1,310,383	1,923,302	670,262	1,143,165	890,308	482,479	167,218	1,032,994	187,783
58	California.....	27,061,034	14,125,542	4,937,444	22,348,421	8,188,387	3,828,531	4,712,613	5,937,155	1,108,913
59	New England.....	27,778,263	17,531,104	10,302,600	19,960,887	10,635,863	7,602,939	7,817,376	6,895,241	2,699,661
60	Middle Atlantic.....	91,181,552	55,648,258	29,067,956	70,799,455	32,388,029	25,149,844	20,382,097	23,260,229	3,918,112
61	East North Central.....	59,799,662	30,789,314	13,933,697	47,940,189	18,413,098	10,403,021	11,859,473	12,376,216	3,530,676
62	West North Central.....	24,946,539	13,595,047	6,318,593	19,824,954	8,839,520	5,051,363	5,121,585	4,755,527	1,267,230
63	South Atlantic.....	13,639,654	6,050,920	2,981,011	10,080,424	3,986,351	2,359,197	3,559,230	2,064,569	621,814
64	East South Central.....	6,153,632	3,678,141	2,201,966	4,855,061	2,224,018	1,614,707	1,298,571	1,454,123	587,259
65	West South Central.....	11,078,636	6,767,997	3,499,611	8,087,574	4,870,763	2,418,959	2,991,062	1,897,234	1,080,652
66	Mountain.....	14,308,681	8,645,834	4,186,917	11,113,312	4,958,801	3,418,321	3,195,369	3,687,033	768,596
67	Pacific.....	30,009,991	18,923,724	6,243,149	24,840,457	10,721,518	4,817,037	5,169,534	8,202,206	1,426,112
68	United States.....	278,896,610	161,630,339	78,735,500	217,502,313	97,037,961	62,835,388	61,394,297	64,592,378	15,900,112

NOTE.—“Expenses” as reported by the census are not strictly comparable for the years 1902, 1907, and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035, or \$20,497,898 for all stations, amounting to 8.7 per cent of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges, the columns headed “Surplus” gives surplus for 1902 and 1912 and net income for 1907.

Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and District of Columbia, have been estimated on the assumption that total amounts are in proportion to total power output.

<sup>a</sup> See note.



TABLE 42.—COMMERCIAL CENTRAL STATIONS—INCOME, EXPENSES AND SURPLUS, PER THOUSAND OF POPULATION, 1912, 1907, AND 1902, AND INCOME, PER HORSEPOWER OF PRIMARY POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Per thousand of population.									Per horsepower of primary power—Income.		
		Income.			Expenses.			Surplus.			1912	1907	1902
		1912	1907	1902	1912	1907	1902	1912	1907 <sup>a</sup>	1902			
	New England:												
1	Maine.....	\$2,706	\$1,897	\$962	\$2,020	\$1,144	\$800	\$686	\$753	\$162	\$23.3	\$24.9	\$27.9
2	New Hampshire.....	5,296	3,293	1,995	3,631	1,630	1,328	1,665	1,663	667	27.7	30.5	29.7
3	Vermont.....	2,958	2,077	1,251	1,945	1,283	861	1,013	794	390	24.3	21.8	21.2
4	Massachusetts.....	4,300	3,117	2,076	3,042	1,976	1,520	1,258	1,141	556	46.2	57.9	51.5
5	Rhode Island.....	4,039	3,351	2,249	2,902	1,924	1,757	1,137	1,427	492	45.5	61.3	58.1
6	Connecticut.....	4,365	2,133	1,338	3,354	1,263	996	1,011	920	342	50.5	44.6	46.3
	Middle Atlantic:												
7	New York.....	5,945	4,005	2,172	4,603	2,238	1,896	1,342	1,767	276	49.5	48.5	52.4
8	New Jersey.....	4,031	2,501	1,671	3,447	1,558	1,676	584	943	—5	45.7	64.0	50.0
9	Pennsylvania.....	2,981	2,110	1,374	2,223	1,305	1,099	758	805	275	39.6	53.2	54.1
	East North Central:												
10	Ohio.....	2,101	1,417	870	1,540	1,000	634	561	417	236	34.4	43.5	43.5
11	Indiana.....	2,310	1,352	628	1,862	873	476	448	479	152	41.1	37.2	39.2
12	Illinois.....	4,749	2,582	1,117	3,761	1,329	849	988	1,253	268	46.5	52.0	52.9
13	Michigan.....	3,405	1,792	742	2,962	1,098	546	443	694	196	29.9	31.7	41.2
14	Wisconsin.....	2,366	841	549	2,013	601	407	353	240	142	43.0	38.8	35.9
	West North Central:												
15	Minnesota.....	2,727	1,364	796	2,210	860	618	517	504	178	46.2	25.9	58.2
16	Iowa.....	1,681	926	582	1,261	628	464	420	298	118	58.7	55.9	38.6
17	Missouri.....	2,682	1,635	675	2,058	1,052	582	624	583	93	54.1	53.3	55.2
18	North Dakota.....	1,182	906	333	967	595	302	215	311	81	53.8	51.6	48.2
19	South Dakota.....	1,625	826	407	1,365	567	308	260	259	99	40.4	39.2	41.0
20	Nebraska.....	1,840	1,162	495	1,497	732	351	343	430	144	55.6	52.1	49.8
21	Kansas.....	1,377	787	388	1,218	536	284	159	251	104	29.3	31.4	50.1
	South Atlantic:												
22	Delaware.....	866	868	360	674	513	303	192	355	57	59.0	26.7	87.8
23	Maryland and District of Columbia.....	2,934	1,924	1,055	2,284	1,381	889	650	543	166	46.8	40.5	57.9
24	Virginia.....	247	127	82	177	81	68	70	46	14	10.8	23.5	36.6
25	West Virginia.....	867	583	261	667	377	190	200	206	71	26.8	33.7	28.3
26	North Carolina.....	374	108	79	281	74	61	93	34	18	15.5	16.6	34.1
27	South Carolina.....	2,740	514	246	1,730	269	165	1,010	245	81	19.8	9.2	17.0
28	Georgia.....	449	263	99	411	136	68	38	127	31	17.1	14.7	22.9
29	Florida.....	788	397	333	599	311	253	189	86	80	38.0	42.8	45.3
	East South Central:												
30	Kentucky.....	1,081	658	362	889	402	304	192	256	58	33.8	39.6	40.3
31	Tennessee.....	863	473	403	670	265	253	193	208	150	33.2	46.2	54.4
32	Alabama.....	446	404	180	347	258	132	99	146	48	35.1	37.9	50.9
33	Mississippi.....	400	207	153	289	129	114	111	78	39	37.1	48.7	51.5
	West South Central:												
34	Arkansas.....	487	369	280	359	237	176	128	132	104	40.0	50.1	52.1
35	Louisiana.....	1,170	1,020	621	813	638	430	357	382	191	94.4	84.7	72.2
36	Oklahoma.....	1,045	722	273	801	515	171	244	207	102	46.1	49.9	65.7
37	Texas.....	1,551	980	607	1,131	760	432	420	220	175	53.4	52.0	60.0
	Mountain:												
38	Montana.....	9,397	7,208	3,722	5,803	3,204	2,391	3,594	4,004	1,331	33.2	35.6	31.9
39	Idaho.....	4,247	2,462	951	4,124	1,424	697	1,23	1,038	254	27.8	51.3	34.2
40	Wyoming.....	3,769	2,426	1,534	2,768	1,648	1,075	1,001	778	459	52.6	62.0	49.4
41	Colorado.....	5,475	4,627	2,771	4,582	2,919	2,579	893	1,708	192	35.8	41.2	43.2
42	New Mexico.....	1,338	1,009	606	1,208	719	458	130	290	148	46.4	64.4	76.0
43	Arizona.....	5,271	3,143	2,092	4,148	2,285	1,720	1,123	858	372	53.1	73.6	115.4
44	Utah.....	3,553	1,757	2,395	2,837	927	2,039	716	830	356	24.9	18.3	35.0
45	Nevada.....	6,791	5,264	879	4,704	2,808	783	2,087	2,456	96	40.0	53.3	25.9
	Pacific:												
46	Washington.....	1,278	2,977	978	1,052	1,701	779	226	1,276	199	42.9	46.5	28.5
47	Oregon.....	1,794	3,208	1,431	1,565	1,485	1,030	229	1,723	401	31.7	15.3	38.3
48	California.....	10,499	6,647	2,951	8,671	3,853	2,288	1,828	2,794	663	32.2	37.2	37.3
49	New England.....	4,104	2,791	1,778	2,949	1,693	1,312	1,155	1,098	466	40.3	45.3	43.8
50	Middle Atlantic.....	4,518	3,054	1,787	3,508	1,777	1,546	1,010	1,277	241	46.0	51.0	52.6
51	East North Central.....	3,187	1,749	846	2,555	1,046	632	632	703	214	39.6	43.0	45.0
52	West North Central.....	2,091	1,206	595	1,662	784	476	429	422	119	48.2	41.5	49.8
53	South Atlantic.....	1,084	517	276	801	341	218	283	176	58	24.6	23.4	37.2
54	East South Central.....	715	450	285	564	272	209	151	178	76	34.2	41.5	47.6
55	West South Central.....	1,193	831	499	871	598	345	322	233	154	54.9	56.7	62.1
56	Mountain.....	5,024	3,660	2,230	3,902	2,099	1,821	1,122	1,561	409	34.4	39.1	39.9
57	Pacific.....	6,539	5,129	2,237	5,413	2,906	1,726	1,126	2,223	511	32.7	33.4	36.2
	United States.....	2,920	1,847	992	2,277	1,109	792	643	738	200	40.0	42.8	46.7

NOTE.—“Expenses” as reported by the Census are not strictly comparable for the years 1902, 1907, and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations amounting to 8.7 per cent of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges, the columns headed “Surplus” gives surplus for 1902 and 1912 and net income for 1907.

Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and District of Columbia have been estimated on the assumption that total amounts are in proportion to total power output.

<sup>a</sup> See note.



**TABLE 43.—COMMERCIAL CENTRAL STATIONS—INCOME, EXPENSES AND SURPLUS PER HORSEPOWER YEAR OF POWER GENERATED, 1912, 1907, AND 1902. AND EXPENSES AND SURPLUS, PER HORSEPOWER OF PRIMARY POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS.**

		Per horsepower of primary power.						Per horsepower year of power generated.								
		Expenses.			Surplus.			Income.			Expenses.			Surplus.		
		1912	1907	1902	1912	1907 <sup>a</sup>	1902	1912	1907	1902	1912	1907	1902	1912	1907 <sup>a</sup>	1902
1	New England:															
2	Maine.....	\$17.4	\$15.0	\$23.2	\$5.9	\$9.9	\$4.7	\$115	\$141	\$207	\$86	\$85	\$172	\$29	\$56	\$35
3	New Hampshire.....	19.0	15.1	19.8	8.7	15.4	9.9	119	168	200	82	83	133	37	85	67
4	Vermont.....	16.0	13.5	14.6	8.3	8.3	6.6	131	183	152	86	113	105	45	70	47
5	Massachusetts.....	32.7	36.7	37.7	13.5	21.2	13.8	273	316	325	193	200	238	80	116	87
6	Rhode Island.....	32.7	35.2	45.4	12.8	26.1	12.7	242	314	284	174	180	222	68	134	62
7	Connecticut.....	38.8	25.8	34.5	11.7	18.8	11.8	263	235	321	202	136	239	61	99	82
8	Middle Atlantic:															
9	New York.....	38.3	27.1	45.7	11.2	21.4	6.7	171	156	156	132	87	136	39	69	20
10	New Jersey.....	39.1	39.9	50.1	6.6	24.1	0.1	185	276	283	158	172	284	27	104	-1
11	Pennsylvania.....	29.5	32.9	43.3	10.1	20.3	10.8	158	249	257	118	154	205	40	95	52
12	East North Central:															
13	Ohio.....	25.2	30.7	31.7	9.2	12.8	11.8	187	225	240	137	159	175	50	66	65
14	Indiana.....	33.1	24.0	29.7	8.0	13.2	9.5	201	220	184	162	142	139	39	78	45
15	Illinois.....	36.8	26.8	40.2	9.7	25.2	12.7	172	207	272	136	107	207	36	100	65
16	Michigan.....	26.0	19.4	30.3	3.9	12.3	10.9	139	176	209	121	108	154	18	68	55
17	Wisconsin.....	36.6	27.7	26.6	6.4	11.1	9.3	179	260	277	152	186	205	27	74	72
18	West North Central:															
19	Minnesota.....	37.4	16.3	45.2	8.8	9.6	13.0	223	234	324	181	148	252	42	86	72
20	Iowa.....	44.0	37.9	30.8	14.7	18.0	7.8	427	443	280	320	300	223	107	143	57
21	Missouri.....	41.5	34.3	47.6	12.6	19.0	7.6	266	255	278	204	164	240	62	91	38
22	North Dakota.....	44.0	33.9	38.0	9.8	17.7	10.2	455	414	206	372	272	162	83	142	44
23	South Dakota.....	33.9	26.9	31.0	6.5	12.3	10.0	281	228	307	236	156	232	45	72	75
24	Nebraska.....	45.2	32.8	35.3	10.4	19.3	14.5	306	310	327	249	195	232	57	115	95
25	Kansas.....	25.9	21.4	36.7	3.4	10.0	13.4	129	157	337	114	107	247	15	50	90
26	South Atlantic:															
27	Delaware.....	45.9	15.8	74.0	13.1	10.9	13.8	518	316	285	403	187	240	115	129	45
28	Maryland and District of Columbia.....	36.4	29.1	48.8	10.4	11.4	9.1	518	278	285	403	200	240	115	78	45
29	Virginia.....	7.7	15.0	30.3	3.1	8.5	6.3	165	211	214	118	135	177	47	76	37
30	West Virginia.....	20.6	21.8	20.6	6.2	11.9	7.7	177	189	178	136	122	130	41	67	48
31	North Carolina.....	11.6	11.3	26.4	3.9	5.3	7.7	87	185	183	65	126	142	22	59	41
32	South Carolina.....	12.5	4.8	11.4	7.3	4.4	5.6	79	74	133	50	39	89	29	35	44
33	Georgia.....	15.7	7.6	15.8	1.4	7.1	7.1	105	83	230	96	43	158	9	40	72
34	Florida.....	28.9	33.5	34.4	9.1	9.3	10.9	333	410	244	253	321	185	80	89	59
35	East South Central:															
36	Kentucky.....	27.8	24.2	33.9	6.0	15.4	6.4	248	291	209	204	178	176	44	113	33
37	Tennessee.....	25.8	25.9	34.1	7.4	20.3	20.3	191	241	254	148	135	159	43	106	95
38	Alabama.....	27.3	24.2	37.4	7.8	13.7	13.5	148	193	210	115	123	154	33	70	56
39	Mississippi.....	26.8	30.4	38.3	10.3	18.3	13.2	230	273	246	166	170	183	64	103	63
40	West South Central:															
41	Arkansas.....	29.5	32.2	32.7	10.5	17.9	19.4	376	390	282	278	251	177	98	139	105
42	Louisiana.....	65.6	53.0	50.0	28.8	31.7	22.2	947	468	392	658	293	271	289	175	121
43	Oklahoma.....	35.3	35.6	41.1	10.8	14.3	24.6	296	289	480	227	206	300	69	83	180
44	Texas.....	38.9	40.3	42.7	14.5	11.7	17.3	294	329	277	214	255	197	80	74	80
45	Mountain:															
46	Montana.....	20.5	15.8	20.5	12.7	19.8	11.4	66	116	184	41	52	118	25	64	66
47	Idaho.....	27.0	29.7	25.1	0.8	21.6	9.1	88	497	255	85	287	187	3	210	68
48	Wyoming.....	38.6	42.1	34.6	14.0	19.9	14.8	339	377	268	249	256	188	90	121	80
49	Colorado.....	30.0	26.0	40.2	5.8	15.2	3.0	186	179	178	156	113	166	30	66	12
50	New Mexico.....	41.9	45.9	57.4	4.5	18.5	18.6	366	414	334	330	295	252	36	119	82
51	Arizona.....	41.8	53.5	94.9	11.3	20.1	20.5	232	396	523	183	288	430	49	108	93
52	Utah.....	19.9	9.7	29.8	5.0	8.6	5.2	110	68	143	88	36	122	22	32	21
53	Nevada.....	27.7	28.4	23.1	12.3	24.9	2.8	89	82	193	62	44	172	27	38	21
54	Pacific:															
55	Washington.....	35.3	26.6	22.7	7.6	19.9	5.8	288	75	221	237	43	176	51	32	45
56	Oregon.....	27.7	7.1	27.6	4.0	8.2	10.7	155	136	257	135	63	185	20	73	72
57	California.....	26.6	21.6	28.9	5.6	15.6	8.4	102	140	214	84	81	166	18	59	48
58	New England.....	29.0	27.5	32.3	11.3	17.8	11.5	216	254	282	155	154	208	61	100	74
59	Middle Atlantic.....	35.7	29.7	45.5	10.3	21.3	7.1	169	184	189	131	107	164	38	77	25
60	East North Central.....	31.7	25.7	33.6	7.9	17.3	11.4	171	209	241	137	125	180	34	84	61
61	West North Central.....	38.3	27.0	39.8	9.9	14.5	10.0	250	258	295	199	168	236	51	90	59
62	South Atlantic.....	18.2	15.4	29.4	6.4	8.0	7.8	141	167	226	104	110	179	37	57	47
63	East South Central.....	27.0	25.1	34.9	7.2	16.4	12.7	205	247	229	162	149	168	43	98	61
64	West South Central.....	40.1	40.8	42.9	14.8	15.9	19.2	342	350	311	250	252	215	92	98	96
65	Mountain.....	26.7	22.4	32.6	7.7	16.7	7.3	112	150	189	87	86	154	25	64	35
66	Pacific.....	27.1	18.9	27.9	5.6	14.5	8.3	107	123	219	89	70	169	18	53	50
67	United States.....	31.2	25.7	37.3	8.8	17.1	9.4	165	190	222	129	114	177	36	76	54

NOTE.—“Expenses” as reported by the Census are not strictly comparable for the years 1902, 1907, and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863, and sinking fund charges of \$1,654,035, or \$20,497,898 for all stations amounting to 8.7 per cent of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges, the columns headed “Surplus” gives surplus for 1902 and 1912 and net income for 1907.

Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware and for Maryland and District of Columbia have been estimated on the assumption that total amounts are in proportion to total power output.

<sup>a</sup> See note.



TABLE 44.—MUNICIPAL CENTRAL STATIONS—INCOME, EXPENSES, AND SURPLUS, 1912, 1907, AND 1902, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Income.			Expenses.			Surplus.		
		1912	1907	1902	1912	1907	1902	1912	1907 <sup>a</sup>	1902
	New England:									
1	Maine.....	\$80,495	\$69,994	\$14,100	\$56,809	\$32,741	\$7,315	\$23,686	\$37,253	\$6,785
2	New Hampshire.....	25,632	22,287	3,250	17,589	11,913	3,033	8,043	10,374	217
3	Vermont.....	167,275	109,418	52,113	126,812	68,893	35,637	40,463	40,525	16,476
4	Massachusetts.....	1,293,347	749,709	270,301	1,030,979	469,656	262,984	262,368	280,053	7,317
5	Rhode Island.....	10,548	10,926	8,777	6,054	6,532	8,027	4,494	4,394	750
6	Connecticut.....	279,209	163,765	45,936	215,301	88,618	33,698	63,908	75,147	12,238
	Middle Atlantic:									
7	New York.....	599,983	448,462	223,037	458,001	300,104	186,992	141,982	148,358	36,045
8	New Jersey.....	127,818	70,069	42,653	99,252	37,588	28,782	28,566	32,481	16,871
9	Pennsylvania.....	641,850	660,151	429,364	464,709	388,717	305,629	177,141	271,434	123,735
	East North Central:									
10	Ohio.....	1,607,498	1,135,279	701,699	1,175,397	742,418	569,843	432,101	392,861	131,856
11	Indiana.....	1,375,955	857,499	501,047	922,798	584,293	358,795	453,157	273,206	142,252
12	Illinois.....	2,405,465	1,505,061	1,179,003	1,668,552	1,067,265	720,826	736,913	437,796	458,177
13	Michigan.....	1,653,893	1,233,086	758,098	1,203,896	790,195	582,573	449,997	442,891	175,525
14	Wisconsin.....	612,003	378,730	121,487	503,653	284,179	92,668	108,350	94,551	28,819
	West North Central:									
15	Minnesota.....	1,078,840	771,219	410,705	833,174	552,753	335,683	245,666	218,466	75,022
16	Iowa.....	666,718	416,789	248,074	524,431	302,733	188,789	142,287	114,056	59,285
17	Missouri.....	804,871	503,878	270,545	624,659	343,369	212,677	180,212	160,509	57,868
18	North Dakota.....	122,733	76,742	54,484	100,270	68,523	44,384	22,463	8,219	10,100
19	South Dakota.....	146,945	73,915	28,754	112,771	57,179	22,600	34,174	16,736	6,154
20	Nebraska.....	557,246	218,589	60,918	413,011	122,016	47,923	144,235	96,573	12,995
21	Kansas.....	624,315	232,228	62,695	506,717	157,461	49,629	117,598	74,767	13,066
	South Atlantic:									
22	Delaware.....	48,694	42,166	27,032	33,451	33,803	25,262	15,243	8,363	1,770
23	Maryland and District of Columbia.....	128,540	92,145	34,145	88,303	73,645	30,821	40,237	18,500	3,324
24	Virginia.....	284,704	137,573	55,826	194,722	76,348	42,878	89,982	61,225	12,948
25	West Virginia.....	58,008	54,735	56,739	44,394	46,062	36,513	13,614	8,673	20,226
26	North Carolina.....	605,968	313,440	95,726	405,781	213,491	73,256	200,187	99,949	22,470
27	South Carolina.....	239,724	147,526	48,791	160,948	117,125	46,071	78,776	30,401	2,720
28	Georgia.....	757,610	453,495	131,770	546,434	272,545	99,368	211,176	180,950	32,402
29	Florida.....	728,693	380,229	133,133	571,894	218,583	79,206	156,799	161,646	53,927
	East South Central:									
30	Kentucky.....	245,861	179,987	62,386	181,503	105,247	46,874	64,358	74,740	15,512
31	Tennessee.....	528,993	287,540	84,293	264,114	169,610	67,813	264,879	117,930	16,480
32	Alabama.....	273,298	185,576	44,974	213,648	121,914	59,650	63,662	63,662	10,730
33	Mississippi.....	426,056	328,882	121,146	343,003	218,025	94,884	83,053	110,857	26,262
	West South Central:									
34	Arkansas.....	258,573	122,471	43,039	162,113	87,928	38,753	96,460	34,543	4,286
35	Louisiana.....	269,584	242,547	77,391	207,830	183,016	64,033	61,754	59,531	13,358
36	Oklahoma.....	423,424	86,371	15,927	406,432	64,411	10,373	16,992	21,960	5,554
37	Texas.....	444,222	207,234	116,990	301,898	119,918	84,108	142,324	87,316	32,882
	Mountain:									
38	Montana.....	71,107	23,437	16,208	57,601	14,012	11,788	13,506	9,425	4,420
39	Idaho.....	77,344	40,946	5,652	43,389	24,480	4,380	33,955	16,466	1,272
40	Wyoming.....	11,868	0	0	8,685	0	0	3,183	0	0
41	Colorado.....	99,007	52,177	5,526	71,111	31,491	4,808	27,896	20,686	718
42	New Mexico.....	20,618	0	0	18,670	0	0	1,948	0	0
43	Arizona.....	0	0	0	0	0	0	0	0	0
44	Utah.....	145,562	57,134	2,870	85,962	32,271	2,002	59,600	24,863	868
45	Nevada.....	2,886	0	0	1,505	0	0	1,381	0	0
	Pacific:									
46	Washington.....	1,449,147	535,662	148,208	921,261	268,868	145,468	527,886	266,794	2,740
47	Oregon.....	112,320	41,943	21,320	62,573	28,452	17,153	49,747	13,491	4,167
48	California.....	624,539	290,987	128,973	455,105	168,797	90,444	169,434	122,190	38,529
49	New England.....	1,856,506	1,126,099	394,477	1,453,544	678,353	350,694	402,962	447,746	43,783
50	Middle Atlantic.....	1,369,651	1,178,682	695,054	1,021,962	726,409	518,403	347,689	452,273	176,651
51	East North Central.....	7,654,814	5,109,655	3,261,334	5,474,296	3,468,350	2,324,705	2,180,518	1,641,305	936,629
52	West North Central.....	4,001,668	2,293,360	1,136,175	3,115,033	1,604,034	901,685	886,635	689,326	234,490
53	South Atlantic.....	2,851,941	1,621,309	583,162	2,045,927	1,051,602	433,375	806,014	569,707	149,787
54	East South Central.....	1,474,208	981,985	312,799	1,002,268	614,796	243,815	471,940	367,189	68,984
55	West South Central.....	1,395,803	658,623	253,347	1,078,273	455,273	197,267	317,530	203,350	56,080
56	Mountain.....	428,392	173,694	30,256	286,923	102,254	22,978	141,469	71,440	7,278
57	Pacific.....	2,186,006	868,592	298,501	1,438,939	466,117	253,065	747,067	402,475	45,436
	United States.....	23,218,989	14,011,999	6,965,105	16,917,165	9,167,188	5,245,987	6,301,824	4,844,811	1,719,118

NOTE.—“Expenses” as reported by the census are not strictly comparable for the years 1902, 1907, and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035, or \$20,497,898 for all stations, amounting to 8.7 per cent of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges, the columns headed “Surplus” gives surplus for 1902 and 1912 and net income for 1907.

Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years, and in Idaho, Montana, and Rhode Island for 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total power output.

<sup>a</sup> See note.



**TABLE 45.—MUNICIPAL CENTRAL STATIONS—INCOME, EXPENSES, AND SURPLUS PER THOUSAND OF POPULATION, 1912, 1907, AND 1902, AND INCOME PER HORSEPOWER OF PRIMARY POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS.**

		Per thousand of population.									Per horsepower of primary power—Income.		
		Income.			Expenses.			Surplus.					
		1912	1907	1902	1912	1907	1902	1912	1907 <sup>a</sup>	1902	1912	1907	1902
1	New England:												
2	Maine.....	\$106	\$96	\$20	\$75	\$45	\$10	\$31	\$51	\$10	\$32.3	\$31.2	\$24.5
3	New Hampshire.....	58	52	8	40	28	7	18	24	1	20.6	24.3	21.6
4	Vermont.....	467	310	151	354	195	103	113	115	48	24.7	22.1	15.1
5	Massachusetts.....	370	233	93	295	146	90	75	87	3	49.6	47.4	43.2
6	Rhode Island.....	19	22	20	11	13	18	8	9	2	105.4	109.2	87.8
7	Connecticut.....	240	154	48	185	83	35	55	71	13	30.0	35.7	51.0
8	Middle Atlantic:												
9	New York.....	63	52	29	48	35	24	15	17	5	44.4	35.2	37.2
10	New Jersey.....	48	30	21	37	16	13	11	14	8	46.5	41.2	39.3
11	Pennsylvania.....	80	90	65	58	53	46	22	37	19	41.6	48.7	52.8
12	East North Central:												
13	Ohio.....	328	247	164	240	162	133	88	85	31	42.5	38.6	39.0
14	Indiana.....	502	324	196	337	221	140	165	103	56	44.0	42.0	37.8
15	Illinois.....	414	278	236	287	197	144	127	81	92	47.1	48.8	55.6
16	Michigan.....	571	457	303	416	293	233	155	164	70	35.5	39.2	38.1
17	Wisconsin.....	255	169	58	210	127	44	45	42	14	44.1	38.4	37.4
18	West North Central:												
19	Minnesota.....	502	389	225	388	279	184	114	110	41	50.9	44.5	41.2
20	Iowa.....	300	187	112	236	136	85	64	51	27	49.8	42.5	42.2
21	Missouri.....	241	156	86	187	106	68	54	50	18	47.8	41.8	39.3
22	North Dakota.....	193	152	146	158	136	119	35	16	27	55.8	53.9	56.7
23	South Dakota.....	236	138	65	181	107	51	55	31	14	56.2	41.8	41.9
24	Nebraska.....	457	188	56	339	105	44	118	83	12	47.4	51.6	42.6
25	Kansas.....	359	143	42	291	97	33	68	46	9	37.7	30.8	40.8
26	South Atlantic:												
27	Delaware.....	236	213	143	162	171	134	74	42	9	30.0	31.4	33.3
28	Maryland and District of Columbia.....	77	59	23	53	47	21	24	12	2	31.0	37.5	35.6
29	Virginia.....	135	69	30	92	38	23	43	31	7	25.4	35.7	46.1
30	West Virginia.....	46	48	56	35	40	36	11	8	20	34.2	34.7	39.1
31	North Carolina.....	266	148	48	178	101	37	88	47	11	61.5	46.3	46.9
32	South Carolina.....	155	101	35	104	80	33	51	21	2	60.2	56.7	38.8
33	Georgia.....	281	181	57	203	109	43	78	72	14	44.2	45.6	47.2
34	Florida.....	907	551	232	712	317	138	195	234	94	42.3	47.7	70.6
35	East South Central:												
36	Kentucky.....	106	80	29	78	47	22	28	33	7	32.8	39.3	33.2
37	Tennessee.....	238	134	41	119	79	33	119	55	8	46.6	42.2	22.4
38	Alabama.....	124	90	24	97	59	18	27	31	6	42.6	40.9	48.1
39	Mississippi.....	230	190	75	185	126	59	45	64	16	40.5	40.3	42.0
40	West South Central:												
41	Arkansas.....	158	82	31	99	59	28	59	23	3	43.2	42.1	39.5
42	Louisiana.....	157	154	53	121	116	44	36	38	9	45.9	56.6	56.1
43	Oklahoma.....	229	62	17	220	46	11	9	16	6	35.3	39.3	44.0
44	Texas.....	109	57	36	74	33	26	35	24	10	56.0	70.5	52.1
45	Mountain:												
46	Montana.....	175	69	60	142	41	43	33	28	17	76.9	66.9	64.9
47	Idaho.....	214	149	28	120	88	22	94	59	6	70.3	143.7	.....
48	Wyoming.....	75	0	0	55	0	0	20	0	0	43.0	.....	.....
49	Colorado.....	116	72	9	83	43	8	33	29	1	34.0	53.8	46.1
50	New Mexico.....	57	0	0	52	0	0	5	0	0	28.3	.....	.....
51	Arizona.....	0	0	0	0	0	0	0	0	0	.....	.....	.....
52	Utah.....	369	165	10	218	93	7	151	72	3	34.2	21.0	22.9
53	Nevada.....	32	0	0	17	0	0	15	0	0	.....	.....	.....
54	Pacific:												
55	Washington.....	1,131	554	228	719	278	224	412	276	4	25.2	99.0	247.0
56	Oregon.....	154	70	46	86	47	37	68	23	9	24.0	69.4	68.1
57	California.....	243	137	77	177	79	54	66	58	23	65.3	55.7	61.2
58	New England.....	275	179	69	215	108	61	60	71	8	40.4	39.4	34.5
59	Middle Atlantic.....	68	65	43	51	40	32	17	25	11	43.2	42.2	45.7
60	East North Central.....	408	289	198	292	196	141	116	93	57	42.4	41.8	43.2
61	West North Central.....	335	203	107	261	142	85	74	61	22	47.3	42.3	41.6
62	South Atlantic.....	227	139	54	163	90	40	64	49	14	42.7	44.4	47.0
63	East South Central.....	172	120	41	117	75	32	55	45	9	41.2	40.7	33.0
64	West South Central.....	150	81	36	116	56	28	34	25	8	43.9	53.4	49.9
65	Mountain.....	151	73	16	101	43	12	50	30	4	42.0	40.1	61.1
66	Pacific.....	477	235	107	314	126	91	163	109	16	30.4	77.3	98.7
67	United States.....	243	160	88	177	105	66	66	55	22	41.6	43.6	43.5

NOTE.—“Expenses” as reported by the census are not strictly comparable for the years 1902, 1907, and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$15,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations amounting to 8.7 per cent of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges, the columns headed “Surplus” gives surplus for 1902 and 1912 and net income for 1907.

Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years, and in Idaho, Montana, and Rhode Island for 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total power output.

<sup>a</sup> See note.

TABLE 46.—MUNICIPAL CENTRAL STATIONS—INCOME, EXPENSES AND SURPLUS, PER HORSEPOWER YEAR OF POWER GENERATED, 1912, 1907, AND 1902, AND EXPENSES AND SURPLUS PER HORSEPOWER OF PRIMARY POWER, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Per horsepower of primary power.						Per horsepower year of power generated.								
		Expenses.			Surplus.			Income.			Expenses.			Surplus.		
		1912	1907	1902	1912	1907 <sup>a</sup>	1902	1912	1907	1902	1912	1907	1902	1912	1907 <sup>a</sup>	1902
1	New England:															
2	Maine.....	\$22.8	\$14.6	\$12.7	\$9.5	\$16.6	\$11.8	\$255	\$235	\$162	\$180	\$110	\$84	\$75	\$125	\$78
3	New Hampshire.....	14.1	13.0	20.2	6.5	11.3	1.4	361	181	65	248	97	61	113	84	4
4	Vermont.....	18.7	13.9	10.3	6.0	8.2	4.8	278	189	90	211	119	62	67	70	28
5	Massachusetts.....	39.5	29.7	42.0	10.1	17.7	1.2	305	375	420	243	235	409	62	140	11
6	Rhode Island.....	60.5	65.3	80.3	44.9	43.9	7.5	586	489	488	336	292	416	250	197	42
7	Connecticut.....	23.1	19.3	37.4	6.9	16.4	13.6	365	333	356	281	180	261	84	153	95
8	Middle Atlantic:															
9	New York.....	33.9	23.6	31.2	10.5	11.6	6.0	261	268	216	199	179	181	62	89	35
10	New Jersey.....	36.1	22.1	23.8	10.4	19.1	15.5	376	391	318	292	210	192	84	181	126
11	Pennsylvania.....	30.1	28.7	37.6	11.5	20.0	15.2	344	310	254	249	183	181	95	127	73
12	East North Central:															
13	Ohio.....	51.1	25.2	31.7	11.4	13.4	7.3	267	253	177	195	165	144	72	88	33
14	Indiana.....	29.5	28.6	27.1	14.5	13.4	10.7	288	233	176	193	159	126	95	74	50
15	Illinois.....	32.7	34.6	34.0	14.4	14.2	21.6	151	351	278	105	249	170	46	102	108
16	Michigan.....	25.8	25.1	29.3	9.7	14.1	8.8	168	273	216	122	175	166	46	98	50
17	Wisconsin.....	36.3	28.8	28.5	7.8	9.6	8.9	457	498	322	376	374	246	81	124	76
18	West North Central:															
19	Minnesota.....	39.3	31.9	33.7	11.6	12.6	7.5	467	414	241	361	297	197	106	117	44
20	Iowa.....	39.2	30.9	32.1	10.6	11.6	10.1	436	370	257	343	269	196	93	101	61
21	Missouri.....	37.1	28.5	30.9	10.7	13.3	8.4	390	286	229	303	195	180	87	91	49
22	North Dakota.....	45.6	48.1	46.2	10.2	5.8	10.5	523	492	271	427	439	221	96	53	50
23	South Dakota.....	43.1	32.3	32.9	13.1	9.5	9.0	821	468	417	630	362	328	191	106	89
24	Nebraska.....	35.1	28.8	33.5	12.3	22.8	9.1	426	387	264	316	216	208	110	171	56
25	Kansas.....	30.6	20.9	32.3	7.1	9.9	8.5	339	227	209	275	154	165	64	73	44
26	South Atlantic:															
27	Delaware.....	20.6	25.2	21.1	9.4	6.2	2.2	275	234	142	189	188	133	86	46	9
28	Maryland and District of Columbia.....	21.3	30.0	32.1	9.7	7.5	3.5	275	260	244	189	208	220	86	52	24
29	Virginia.....	17.4	19.8	35.4	8.0	15.9	10.7	228	373	169	156	207	130	72	166	39
30	West Virginia.....	26.2	29.2	25.2	8.0	5.5	13.9	262	208	226	201	175	145	61	33	81
31	North Carolina.....	41.2	31.5	35.9	20.3	14.8	11.0	594	402	218	398	274	167	196	128	51
32	South Carolina.....	40.4	45.0	36.6	19.8	11.7	2.2	510	471	172	342	374	162	168	97	10
33	Georgia.....	31.9	27.4	35.6	12.3	18.2	11.6	402	363	247	290	218	186	112	145	61
34	Florida.....	33.2	27.4	42.0	9.1	20.3	28.6	353	335	296	277	193	176	76	142	120
35	East South Central:															
36	Kentucky.....	24.2	23.0	24.9	8.6	16.3	8.3	165	285	121	122	167	91	43	118	30
37	Tennessee.....	23.3	24.9	18.0	23.3	17.3	4.4	353	255	174	176	150	140	177	105	34
38	Alabama.....	33.3	26.9	36.6	9.3	14.0	11.5	338	412	280	264	271	213	74	141	67
39	Mississippi.....	32.6	26.7	32.9	7.9	13.6	9.1	402	300	239	324	199	187	78	101	52
40	West South Central:															
41	Arkansas.....	27.1	30.2	35.6	16.1	11.9	3.9	423	351	250	265	252	225	158	99	25
42	Louisiana.....	35.4	42.7	46.4	10.5	13.9	9.7	393	396	195	303	299	161	90	97	34
43	Oklahoma.....	33.9	29.3	28.7	1.4	10.0	15.3	443	292	482	425	218	314	18	74	168
44	Texas.....	38.1	40.8	37.5	17.9	29.7	14.6	353	294	285	240	170	205	113	124	80
45	Mountain:															
46	Montana.....	62.3	40.0	47.2	14.6	26.9	17.7	227	489	147	184	292	107	43	197	40
47	Idaho.....	39.4	85.9	.....	30.9	57.8	.....	545	489	157	306	292	122	239	197	35
48	Wyoming.....	31.5	.....	.....	11.5	.....	.....	659	.....	.....	482	.....	.....	177	.....	.....
49	Colorado.....	24.4	32.5	40.1	9.6	21.3	6.0	480	669	425	345	404	370	135	265	55
50	New Mexico.....	25.6	.....	.....	2.7	.....	.....	261	.....	.....	236	.....	.....	25	.....	.....
51	Arizona.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
52	Utah.....	20.2	11.9	16.0	14.0	9.1	6.9	246	97	205	145	55	143	101	42	62
53	Nevada.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
54	Pacific:															
55	Washington.....	16.0	49.7	242.4	9.2	49.3	4.6	275	492	1,029	175	247	1,010	100	245	19
56	Oregon.....	13.4	47.1	54.8	10.6	22.3	13.3	204	352	254	114	239	204	90	113	50
57	California.....	47.6	32.3	42.9	17.7	23.4	18.3	456	494	352	332	287	247	124	207	105
58	New England.....	31.6	23.7	30.7	8.8	15.7	3.8	309	321	262	242	193	233	67	128	29
59	Middle Atlantic.....	32.2	26.0	34.1	11.0	16.2	11.6	304	296	243	227	182	181	77	114	62
60	East North Central.....	30.3	28.4	30.8	12.1	13.4	12.4	201	289	218	144	196	155	57	93	63
61	West North Central.....	36.8	29.6	33.0	10.5	12.7	8.6	423	345	244	329	241	194	94	104	50
62	South Atlantic.....	30.6	28.8	34.9	12.1	15.6	12.1	378	349	223	271	226	166	107	123	57
63	East South Central.....	28.0	25.5	25.7	13.2	15.2	7.3	303	297	187	206	186	146	97	111	41
64	West South Central.....	33.9	36.9	38.9	10.0	16.5	11.0	397	336	250	307	232	195	90	104	55
65	Mountain.....	28.1	23.6	46.4	13.9	16.5	14.7	318	217	175	213	128	133	105	89	42
66	Pacific.....	20.0	41.5	83.7	10.4	35.8	15.0	304	484	502	200	260	426	104	224	76
67	United States.....	30.3	28.5	32.8	11.3	15.1	10.7	281	316	232	205	207	175	76	109	57

NOTE.—“Expenses” as reported by the census are not strictly comparable for the years 1902, 1907, and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035, or \$20,497,898 for all stations amounting to 8.7 per cent of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges, the columns headed “Surplus” gives surplus for 1902 and 1912 and net income for 1907.

Amounts for Maryland, Delaware, and District of Columbia are combined in the reports of the Census Bureau for all years, and in Idaho, Montana, and Rhode Island for 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total power output.

<sup>a</sup> See note.



TABLE 47.—COMMERCIAL AND MUNICIPAL CENTRAL STATIONS—GROSS AND NET INCOME, EXPENSES AND SURPLUS, 1912, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Income, electric service.	All other income.	Gross income.	Operating expenses.	Taxes, insurance, depreciation.	Interest and sinking fund.	Total expenses.	Net income.	Surplus.
1	New England:									
2	Maine.....	\$1,815,086	\$303,422	\$2,118,508	\$855,403	\$139,156	\$583,379	\$1,577,938	\$1,123,949	\$540,570
3	New Hampshire.....	2,200,733	127,530	2,328,263	913,879	231,900	450,373	1,596,152	1,182,484	732,111
4	Vermont.....	1,182,797	45,564	1,228,361	529,546	78,895	216,002	824,443	619,920	403,918
5	Massachusetts.....	15,996,463	310,446	16,306,909	8,046,743	2,689,231	915,765	11,654,739	5,570,935	4,655,170
6	Rhode Island.....	2,204,999	100,177	2,305,176	1,122,780	323,589	208,479	1,654,848	858,807	650,328
7	Connecticut.....	5,057,132	290,420	5,347,552	2,619,185	594,578	895,548	4,109,311	2,133,789	1,238,241
8	Middle Atlantic:									
9	New York.....	53,189,000	4,029,973	57,218,973	26,607,075	9,021,345	8,669,449	44,297,869	21,590,553	12,921,104
10	New Jersey.....	10,587,513	356,854	10,944,367	5,709,775	654,223	2,984,866	9,348,864	4,580,369	1,595,503
11	Pennsylvania.....	23,482,208	903,655	24,385,863	12,324,315	1,830,824	4,019,545	18,174,684	10,232,724	6,213,179
12	East North Central:									
13	Ohio.....	11,514,628	390,483	11,905,111	5,445,614	2,107,625	1,169,054	8,722,293	4,351,872	3,182,818
14	Indiana.....	7,417,484	293,739	7,711,223	4,160,055	734,000	1,134,854	6,028,909	2,817,168	1,682,314
15	Illinois.....	27,376,119	2,669,178	30,045,297	16,086,346	3,605,035	3,866,506	23,557,887	10,353,916	6,487,410
16	Michigan.....	11,127,031	391,225	11,518,256	6,648,359	1,243,094	1,892,685	9,784,138	3,626,803	1,734,118
17	Wisconsin.....	5,955,194	319,395	6,274,589	3,635,000	840,285	845,973	5,321,258	1,799,304	953,331
18	West North Central:									
19	Minnesota.....	6,647,199	290,642	6,937,841	3,528,311	481,228	1,570,986	5,580,525	2,928,302	1,357,316
20	Iowa.....	4,078,167	327,198	4,405,365	2,569,117	283,284	476,339	3,328,740	1,552,964	1,076,625
21	Missouri.....	9,299,495	447,105	9,746,600	4,517,838	1,344,393	1,592,622	7,484,853	3,854,369	2,261,747
22	North Dakota.....	835,504	37,607	873,111	499,602	99,269	115,423	714,294	274,240	158,817
23	South Dakota.....	1,095,922	66,600	1,162,522	638,329	89,469	237,965	965,763	434,721	196,759
24	Nebraska.....	2,678,240	124,374	2,802,614	1,677,009	333,418	229,115	2,239,542	792,187	563,072
25	Kansas.....	2,909,012	111,142	3,020,154	1,900,568	293,352	432,350	2,626,270	826,234	393,884
26	South Atlantic:									
27	Delaware.....	258,278	4,219	262,497	105,849	19,340	35,097	203,553	102,192	58,945
28	Maryland and District of Co- lumbia.....	4,888,256	79,851	4,968,107	2,189,508	599,214	1,107,047	3,852,502	2,214,501	1,115,604
29	Virginia.....	794,858	10,164	805,022	402,771	47,774	116,914	567,459	354,477	237,563
30	West Virginia.....	1,148,089	19,494	1,167,583	670,859	87,782	139,202	897,843	408,942	269,740
31	North Carolina.....	1,404,167	54,619	1,458,786	773,174	51,183	221,860	1,046,217	634,429	412,569
32	South Carolina.....	4,263,983	233,817	4,499,800	1,994,299	225,375	630,987	2,850,661	2,280,126	1,649,139
33	Georgia.....	1,881,985	86,614	1,968,599	1,068,689	88,963	497,768	1,655,420	810,947	313,179
34	Florida.....	1,338,781	22,420	1,361,201	846,801	127,521	78,374	1,052,696	386,879	308,505
35	East South Central:									
36	Kentucky.....	2,683,137	70,978	2,754,115	1,498,155	291,124	455,627	2,244,906	964,836	509,209
37	Tennessee.....	2,408,762	39,456	2,448,218	1,090,777	136,492	526,606	1,753,875	1,220,949	694,343
38	Alabama.....	1,234,540	23,180	1,257,720	662,234	77,442	240,493	980,169	518,044	277,551
39	Mississippi.....	1,146,583	21,204	1,167,787	698,660	49,218	130,501	878,379	419,909	289,408
40	West South Central:									
41	Arkansas.....	1,016,664	37,099	1,053,763	586,155	49,144	113,730	749,029	418,464	304,734
42	Louisiana.....	2,251,102	27,652	2,278,754	1,079,882	219,180	304,957	1,604,019	979,692	674,735
43	Oklahoma.....	2,287,329	70,621	2,357,950	1,311,253	220,944	356,509	1,888,706	825,753	469,244
44	Texas.....	6,654,616	129,356	6,783,972	3,802,578	466,838	654,677	4,924,093	2,514,556	1,859,879
45	Mountain:									
46	Montana.....	3,292,385	591,025	3,883,410	1,071,539	222,644	1,117,485	2,411,668	2,589,227	1,471,742
47	Idaho.....	1,580,082	35,858	1,615,940	641,990	121,010	774,260	1,537,260	852,940	78,680
48	Wyoming.....	595,465	11,630	607,095	350,229	32,036	63,524	445,789	224,830	161,306
49	Colorado.....	4,626,693	164,647	4,791,340	2,274,594	270,333	1,452,833	3,997,760	2,246,413	793,580
50	New Mexico.....	488,422	9,473	497,895	327,969	38,327	83,220	449,516	131,599	48,379
51	Arizona.....	1,128,862	44,324	1,173,186	600,667	107,170	215,421	923,258	465,349	249,924
52	Utah.....	1,530,060	19,205	1,549,265	807,769	165,158	233,802	1,206,729	576,338	342,536
53	Nevada.....	607,597	11,345	618,942	255,770	30,528	141,957	428,255	332,644	190,687
54	Pacific:									
55	Washington.....	2,976,297	111,424	3,087,721	1,548,409	238,431	483,292	2,270,132	1,300,881	817,589
56	Oregon.....	1,380,785	41,918	1,422,703	663,350	103,731	438,657	1,205,738	655,622	216,965
57	California.....	26,461,154	1,224,419	27,685,573	12,762,412	3,206,257	6,834,857	22,803,526	11,716,904	4,882,047
58	New England.....	28,457,210	1,177,559	29,634,769	14,087,536	4,057,349	3,269,546	21,414,431	11,489,884	8,220,338
59	Middle Atlantic.....	87,258,721	5,292,482	92,551,203	44,641,165	11,506,392	15,673,860	71,821,417	36,403,646	20,729,786
60	East North Central.....	63,390,456	4,064,020	67,454,476	35,975,374	8,530,039	8,909,072	53,414,485	22,949,063	14,039,991
61	West North Central.....	27,543,539	1,404,668	28,948,207	15,360,774	2,924,413	4,654,800	22,939,987	10,663,020	6,008,220
62	South Atlantic.....	15,980,397	511,198	16,491,595	8,051,950	1,247,152	2,827,249	12,126,351	7,192,493	4,365,244
63	East South Central.....	7,473,022	154,818	7,627,840	3,949,826	554,276	1,353,227	5,857,329	3,123,738	1,770,511
64	West South Central.....	12,209,711	264,728	12,474,439	6,779,868	956,106	1,429,873	9,165,817	4,738,465	3,308,592
65	Mountain.....	13,849,566	887,507	14,737,073	6,330,527	987,206	4,082,502	11,400,235	7,419,340	3,336,838
66	Pacific.....	30,818,236	1,377,761	32,195,997	14,974,171	3,548,419	7,756,806	26,279,396	13,673,407	5,916,601
67	United States.....	286,980,858	15,134,741	302,115,599	150,151,191	34,311,352	49,956,935	234,419,478	67,117,653	696,121,056

NOTE.—“Gross income” is made up of “Income from electric service,” including estimated value of free service, and “All other income,” such as interest and dividends upon investments, etc. “Net income” equals gross income, less operating expenses, taxes, insurance, and depreciation. “Total expenses” covers expenditures for all purposes. “Operating expenses” covers expenditures for fuel and other supplies, salaries, wages, rentals, electric current purchased, and payments for injuries and damages. Amounts for Delaware, Maryland, and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and District of Columbia have been estimated by prorating income and operating expense in proportion to power output, and taxes, etc., and interest, etc., in proportion to primary power.



TABLE 48.—COMMERCIAL AND MUNICIPAL CENTRAL STATIONS—GROSS AND NET INCOME, EXPENSES AND SURPLUS PER HORSEPOWER YEAR OF OUTPUT, 1912, AND RATIO OF NET TO GROSS INCOME, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Income, electric service.	All other income.	Gross income.	Operat- ing ex- penses.	Taxes, in- surance, deprecia- tion.	Interest and sink- ing fund.	Total expenses.	Net in- come.	Surplus.	Ratio net to gross income.
	New England:										
1	Maine.....	\$101	\$17	\$118	\$48	\$8	\$32	\$88	\$62	\$30	0.531
2	New Hampshire.....	113	7	120	47	12	23	82	61	38	.508
3	Vermont.....	137	5	142	61	9	25	95	72	47	.505
4	Massachusetts.....	271	5	276	136	46	15	197	94	79	.342
5	Rhode Island.....	232	10	242	118	34	22	174	90	68	.373
6	Connecticut.....	253	14	267	131	30	44	205	106	62	.399
	Middle Atlantic:										
7	New York.....	160	12	172	80	27	26	133	65	39	.377
8	New Jersey.....	180	6	186	97	11	51	159	78	27	.119
9	Pennsylvania.....	155	6	161	82	12	26	120	67	41	.420
	East North Central:										
10	Ohio.....	189	6	195	89	35	19	143	71	52	.366
11	Indiana.....	204	8	212	115	20	31	166	77	46	.365
12	Illinois.....	156	15	171	92	20	22	134	59	37	.345
13	Michigan.....	138	5	143	83	15	23	121	45	22	.315
14	Wisconsin.....	180	10	190	110	25	26	161	55	29	.287
	West North Central:										
15	Minnesota.....	234	10	244	124	17	55	196	103	48	.422
16	Iowa.....	396	32	428	249	28	46	323	151	105	.353
17	Missouri.....	261	12	273	127	38	45	210	108	63	.395
18	North Dakota.....	443	20	463	265	53	61	379	145	84	.314
19	South Dakota.....	289	18	307	168	24	63	255	115	52	.374
20	Nebraska.....	311	14	325	194	39	27	260	92	65	.283
21	Kansas.....	143	5	148	93	15	21	129	40	19	.274
	South Atlantic:										
22	Delaware.....	495	8	503	203	37	67	307	263	196	.389
23	Maryland and District of Columbia.....	495	8	503	221	61	112	394	221	109	.446
24	Virginia.....	181	2	183	91	11	27	129	81	54	.440
25	West Virginia.....	177	3	180	103	14	21	138	63	42	.350
26	North Carolina.....	130	5	135	71	5	21	97	59	38	.435
27	South Carolina.....	78	4	82	36	4	12	52	42	30	.507
28	Georgia.....	140	6	146	79	7	37	123	60	23	.412
29	Florida.....	337	6	343	213	32	20	265	98	78	.284
	East South Central:										
30	Kentucky.....	232	6	238	130	25	39	194	83	44	.350
31	Tennessee.....	208	3	211	94	12	45	151	105	60	.499
32	Alabama.....	166	3	169	89	10	33	132	70	37	.412
33	Mississippi.....	268	5	273	163	12	30	205	98	68	.360
	West South Central:										
34	Arkansas.....	373	14	387	215	18	42	275	154	112	.397
35	Louisiana.....	801	10	811	384	78	109	571	349	240	.430
36	Oklahoma.....	306	9	315	175	30	47	252	110	63	.350
37	Texas.....	291	6	297	167	20	29	216	110	81	.371
	Mountain:										
38	Montana.....	57	10	67	19	4	19	42	44	25	.667
39	Idaho.....	89	2	91	36	7	44	87	48	4	.528
40	Wyoming.....	335	7	342	197	18	36	251	127	91	.370
41	Colorado.....	183	6	189	90	11	57	158	88	31	.469
42	New Mexico.....	353	7	360	237	28	60	325	95	35	.264
43	Arizona.....	223	9	232	119	21	43	183	92	49	.397
44	Utah.....	116	1	117	61	12	18	91	44	26	.372
45	Nevada.....	88	2	90	37	4	21	62	49	28	.537
	Pacific:										
46	Washington.....	272	10	282	141	22	44	207	119	75	.421
47	Oregon.....	153	5	158	74	11	49	134	73	24	.461
48	California.....	98	5	103	47	12	26	85	44	18	.423
49	New England.....	211	9	220	105	30	24	159	85	61	.388
50	Middle Atlantic.....	160	10	170	82	21	29	132	67	38	.393
51	East North Central.....	164	10	174	93	22	23	138	59	36	.340
52	West North Central.....	252	13	265	140	27	43	210	98	55	.368
53	South Atlantic.....	153	5	158	77	12	27	116	69	42	.436
54	East South Central.....	215	4	219	113	16	39	168	90	51	.410
55	West South Central.....	341	7	348	189	27	40	256	132	92	.380
56	Mountain.....	107	7	114	49	8	31	88	57	26	.503
57	Pacific.....	107	5	112	52	12	27	91	48	21	.425
	United States.....	162	9	171	85	20	28	133	66	38	.389

NOTE.—“Gross income” is made up of “Income from electric service,” including estimated value of free service, and “All other income,” such as interest and dividends on investments, etc. “Net income” equals gross income less operating expenses, taxes, insurance, and depreciation. “Total expenses” covers expenditures for all purposes. “Operating expenses” covers expenditures for fuel and other supplies, salaries, wages, rentals, electric current purchased, and payments for injuries and damages. Amounts for Delaware, Maryland, and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware and for Maryland and District of Columbia have been estimated by prorating income and operating expense in proportion to power output, and taxes, etc., and interest, etc., in proportion to primary power.



TABLE 49.—COMMERCIAL CENTRAL STATIONS—GROSS AND NET INCOME, EXPENSES AND SURPLUS, 1912, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Income, electric service.	All other income.	Gross income.	Operating expenses.	Taxes, insurance, depreciation.	Interest and sinking fund.	Total expenses.	Net income.	Surplus.
1	New England:									
2	Maine.....	\$1,735,191	\$302,822	\$2,038,013	\$804,750	\$138,150	\$578,229	\$1,521,129	\$1,095,113	\$516,884
3	New Hampshire.....	2,175,658	126,973	2,302,631	902,346	230,218	445,999	1,578,563	1,170,067	724,068
4	Vermont.....	1,031,174	29,912	1,061,086	438,619	70,824	188,188	697,631	551,643	363,455
5	Massachusetts.....	14,740,509	273,053	15,013,562	7,253,954	2,548,827	817,979	10,620,760	5,210,781	4,392,802
6	Rhode Island.....	2,194,451	100,177	2,294,628	1,117,535	323,237	208,022	1,648,794	853,856	645,834
	Connecticut.....	4,780,489	287,854	5,068,343	2,469,064	572,416	852,530	3,894,010	2,026,863	1,174,333
	Middle Atlantic:									
8	New York.....	52,605,611	4,013,379	56,618,990	26,216,384	8,988,490	8,634,994	43,839,868	21,414,116	12,779,122
9	New Jersey.....	10,462,106	354,443	10,816,549	5,626,905	646,966	2,975,741	9,249,612	4,542,678	1,566,937
	Pennsylvania.....	22,854,245	891,768	23,746,013	11,914,433	1,823,986	3,971,556	17,709,975	10,007,594	6,036,038
10	East North Central:									
11	Ohio.....	9,945,996	351,617	10,297,613	4,473,282	2,033,750	1,039,864	7,546,896	3,790,581	2,750,717
12	Indiana.....	6,071,467	263,801	6,335,268	3,303,403	712,559	1,090,149	5,106,111	2,319,306	1,229,157
13	Illinois.....	24,989,798	2,650,034	27,639,832	14,619,529	3,469,606	3,800,200	21,889,335	9,550,697	5,750,497
14	Michigan.....	9,518,774	345,589	9,864,363	5,613,005	1,184,279	1,782,958	8,580,242	3,067,079	1,284,121
	Wisconsin.....	5,362,652	299,934	5,662,586	3,215,489	799,337	802,779	4,817,605	1,647,760	844,981
15	West North Central:									
16	Minnesota.....	5,614,964	244,037	5,859,001	2,806,356	449,124	1,491,871	4,747,351	2,603,521	1,111,650
17	Iowa.....	3,472,242	266,405	3,738,647	2,084,016	272,262	448,031	2,804,309	1,382,369	934,338
18	Missouri.....	8,521,947	419,782	8,941,729	4,003,399	1,320,132	1,536,663	6,860,194	3,618,198	2,081,535
19	North Dakota.....	719,624	30,754	750,378	417,424	90,007	106,593	614,024	242,947	136,354
20	South Dakota.....	952,811	62,766	1,015,577	546,881	76,023	230,088	852,992	392,673	162,585
21	Nebraska.....	2,143,078	102,290	2,245,368	1,309,592	318,286	198,653	1,826,531	617,490	418,837
	Kansas.....	2,305,643	90,196	2,395,839	1,484,609	265,846	369,098	2,119,553	645,384	276,286
22	South Atlantic:									
23	Delaware.....	175,779	2,908	178,687	77,518	17,263	31,945	139,117	83,906	39,570
24	Maryland and District of Columbia.....	4,795,354	79,329	4,874,683	2,114,721	593,888	1,098,966	3,795,181	2,166,074	1,079,499
25	Virginia.....	510,279	10,039	520,318	281,631	25,726	65,380	372,737	212,961	147,581
26	West Virginia.....	1,090,381	19,194	1,109,575	628,039	87,395	138,015	853,449	394,141	256,126
27	North Carolina.....	801,993	50,825	852,818	419,004	43,664	177,768	640,436	390,150	212,382
28	South Carolina.....	4,028,100	231,976	4,260,076	1,854,876	223,408	611,429	2,689,713	2,181,792	1,570,363
29	Georgia.....	1,137,931	73,058	1,210,989	586,353	79,683	442,950	1,108,986	544,953	102,003
	Florida.....	613,523	18,985	632,508	386,418	32,102	62,282	480,802	213,988	151,706
30	East South Central:									
31	Kentucky.....	2,442,619	65,635	2,508,254	1,326,495	285,882	451,026	2,063,403	895,877	444,851
32	Tennessee.....	1,887,218	32,007	1,919,225	864,502	131,514	493,745	1,489,761	923,209	429,464
33	Alabama.....	964,299	20,123	984,422	489,478	72,230	204,813	766,521	422,714	217,901
	Mississippi.....	729,484	12,247	741,731	411,909	42,320	81,147	535,376	287,502	206,355
34	West South Central:									
35	Arkansas.....	762,841	32,349	795,190	443,492	40,071	103,353	586,916	311,627	208,274
36	Louisiana.....	1,934,768	24,402	2,009,170	883,626	216,614	295,949	1,396,189	908,930	612,981
37	Oklahoma.....	1,866,233	68,293	1,934,526	982,832	214,448	284,994	1,482,274	737,246	452,252
	Texas.....	6,214,194	125,556	6,339,750	3,539,400	461,578	621,217	4,622,195	2,338,772	1,717,555
38	Mountain:									
39	Montana.....	3,226,342	585,961	3,812,303	1,025,019	213,821	1,115,227	2,354,067	2,573,463	1,458,236
40	Idaho.....	1,502,838	35,758	1,538,596	611,009	117,852	765,010	1,493,871	809,735	44,725
41	Wyoming.....	583,597	11,630	595,227	343,419	31,661	62,024	437,104	220,147	158,123
42	Colorado.....	4,528,086	164,247	4,692,333	2,212,276	269,319	1,445,054	3,926,649	2,210,738	765,684
43	New Mexico.....	467,804	9,473	477,277	312,561	38,125	80,160	430,846	126,591	46,431
44	Arizona.....	1,128,862	44,324	1,173,186	600,667	107,170	215,421	923,258	465,349	249,928
45	Utah.....	1,387,071	16,632	1,403,703	738,397	164,248	218,122	1,120,767	501,058	282,936
	Nevada.....	604,711	11,345	616,056	254,265	30,528	141,957	426,750	331,263	189,306
46	Pacific:									
47	Washington.....	1,559,019	79,555	1,638,574	831,132	143,788	373,951	1,348,871	663,654	289,703
48	Oregon.....	1,268,725	41,658	1,310,383	612,304	103,369	427,492	1,143,165	594,710	167,218
	California.....	25,856,669	1,204,365	27,061,034	12,398,608	3,144,179	6,805,634	22,348,421	11,518,247	4,712,613
49	New England.....	26,657,472	1,120,791	27,778,263	12,986,268	3,883,672	3,090,947	19,960,887	10,908,323	7,817,376
50	Middle Atlantic.....	85,921,962	5,259,590	91,181,552	43,757,722	11,459,442	15,582,291	70,799,455	35,964,388	20,382,097
51	East North Central.....	55,888,687	3,910,975	59,799,662	31,224,708	8,199,531	8,515,950	47,940,189	20,375,423	11,859,473
52	West North Central.....	23,730,309	1,216,230	24,946,539	12,652,277	2,791,680	4,380,997	19,824,954	9,502,582	5,121,585
53	South Atlantic.....	13,153,340	486,314	13,639,654	6,348,560	1,103,129	2,628,735	10,080,424	6,187,965	3,550,230
54	East South Central.....	6,023,620	130,012	6,153,632	3,092,384	531,946	1,230,731	4,855,061	2,529,302	1,298,571
55	West South Central.....	10,828,036	250,600	11,078,636	5,849,350	932,711	1,305,513	8,087,574	4,296,575	2,991,062
56	Mountain.....	13,429,311	879,370	14,308,681	6,097,613	972,724	4,042,975	11,113,312	7,238,344	3,195,369
57	Pacific.....	28,684,413	1,325,578	30,009,991	13,842,044	3,391,336	7,607,077	24,840,457	12,776,611	5,169,534
	United States.....	264,317,150	14,579,460	278,896,610	135,850,926	33,266,171	48,385,216	217,502,313	109,79,513	617,394,297

NOTE.—“Gross income” is made up of “Income from electric service,” including estimated value of free service, and “All other income,” such as interest and dividends on investments, etc. “Net income” equals gross income less operating expenses, taxes, insurance, and depreciation. “Total expenses” covers expenditures for all purposes. “Operating expenses” covers expenditures for fuel and other supplies, salaries, wages, rentals, electric current purchased, and payments for injuries and damages.

Amounts for Delaware, Maryland, and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware and for Maryland and District of Columbia have been estimated by prorating income and operating expense in proportion to power output, and taxes, etc., and interest, etc., in proportion to primary power.



TABLE 50.—COMMERCIAL CENTRAL STATIONS—GROSS AND NET INCOME, EXPENSES AND SURPLUS PER HORSE-POWER YEAR OF OUTPUT, 1912, AND RATIO OF NET TO GROSS INCOME, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Income, electric service.	All other income.	Gross income.	Operat- ing ex- penses.	Taxes, insur- ance, de- precia- tion.	Interest and sink- ing fund.	Total ex- penses.	Net in- come.	Surplus.	Ratio net to gross income.
1	New England:										
2	Maine.....	\$98	\$17	\$115	\$45	\$8	\$33	\$86	\$62	\$29	0.537
3	New Hampshire.....	112	7	119	47	12	23	82	60	37	.508
4	Vermont.....	127	4	131	54	9	23	86	68	45	.520
5	Massachusetts.....	268	5	273	132	46	15	193	95	80	.347
6	Rhode Island.....	231	11	242	118	34	22	174	90	68	.372
7	Connecticut.....	248	15	263	128	30	44	202	105	61	.400
8	Middle Atlantic:										
9	New York.....	159	12	171	79	27	26	132	65	39	.378
10	New Jersey.....	179	6	185	96	11	51	158	78	27	.420
11	Pennsylvania.....	152	6	158	79	12	27	118	67	40	.421
12	East North Central:										
13	Ohio.....	181	6	187	81	37	19	137	69	50	.368
14	Indiana.....	193	8	201	104	23	35	162	74	39	.366
15	Illinois.....	155	17	172	91	21	24	136	60	36	.346
16	Michigan.....	134	5	139	79	17	25	121	43	18	.311
17	Wisconsin.....	170	9	179	102	25	25	152	52	27	.291
18	West North Central:										
19	Minnesota.....	214	9	223	107	17	57	181	99	42	.444
20	Iowa.....	397	30	427	238	31	51	320	158	107	.370
21	Missouri.....	254	12	266	119	39	46	204	108	62	.405
22	North Dakota.....	436	19	455	253	55	64	372	147	83	.324
23	South Dakota.....	264	17	281	151	21	64	236	109	45	.387
24	Nebraska.....	292	14	306	179	43	27	249	84	57	.275
25	Kansas.....	124	5	129	80	14	20	114	35	15	.269
26	South Atlantic:										
27	Delaware.....	510	8	518	225	50	93	368	243	150	.470
28	Maryland and District of Columbia.....	510	8	518	225	63	117	405	230	113	.444
29	Virginia.....	162	3	165	89	8	21	118	68	47	.409
30	West Virginia.....	173	4	177	100	14	22	136	63	41	.355
31	North Carolina.....	82	5	87	43	4	18	65	40	22	.457
32	South Carolina.....	75	4	79	35	4	11	50	40	29	.512
33	Georgia.....	99	6	105	51	7	38	96	47	9	.450
34	Florida.....	323	10	333	203	17	33	253	113	80	.338
35	East South Central:										
36	Kentucky.....	242	6	248	131	28	45	204	89	44	.357
37	Tennessee.....	188	3	191	86	13	49	148	92	43	.481
38	Alabama.....	146	2	148	73	11	31	115	64	33	.429
39	Mississippi.....	226	4	230	128	13	25	166	89	64	.388
40	West South Central:										
41	Arkansas.....	361	15	376	210	19	49	278	147	98	.392
42	Louisiana.....	936	11	947	417	102	139	658	428	289	.452
43	Oklahoma.....	286	10	296	150	33	44	227	113	69	.381
44	Texas.....	288	6	294	164	21	29	214	109	80	.369
45	Mountain:										
46	Montana.....	56	10	66	18	4	19	41	44	25	.675
47	Idaho.....	86	2	88	35	7	43	85	46	3	.526
48	Wyoming.....	332	7	339	196	18	35	249	125	90	.370
49	Colorado.....	179	7	186	88	10	58	156	88	30	.471
50	New Mexico.....	359	7	366	240	29	61	330	97	36	.265
51	Arizona.....	223	9	232	119	21	43	183	92	49	.397
52	Utah.....	109	1	110	58	13	17	88	39	22	.357
53	Nevada.....	87	2	89	37	4	21	62	48	27	.538
54	Pacific:										
55	Washington.....	274	14	288	146	25	66	237	117	51	.405
56	Oregon.....	150	5	155	73	12	50	135	70	20	.454
57	California.....	97	5	102	47	12	25	84	43	18	.426
58	New England.....	207	9	216	101	30	24	155	85	61	.393
59	Middle Atlantic.....	159	10	169	81	21	29	131	67	38	.394
60	East North Central.....	160	11	171	89	24	24	137	58	34	.341
61	West North Central.....	238	12	250	127	28	44	199	95	51	.381
62	South Atlantic.....	136	5	141	66	11	27	104	64	37	.454
63	East South Central.....	201	4	205	103	18	41	162	84	43	.411
64	West South Central.....	334	8	342	181	29	40	250	132	92	.388
65	Mountain.....	105	7	112	48	8	31	87	56	25	.506
66	Pacific.....	102	5	107	50	12	27	89	45	18	.426
67	United States.....	156	9	165	80	20	29	129	65	36	.394

NOTE.—“Gross income” is made up of “Income from electric service,” including estimated value of free service and “All other income,” such as interest and dividends upon investments, etc. “Net income” equals gross income less operating expenses, taxes, insurance, and depreciation. “Total expenses” covers expenditures for all purposes. “Operating expenses” covers expenditures for fuel and other supplies, salaries, wages, rentals, electric current purchased, and payments for injuries and damages. Amounts for Delaware, Maryland and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and District of Columbia have been estimated by prorating income and operating expense in proportion to power output, and taxes, etc., and interest, etc., in proportion to primary power.



TABLE 51.—MUNICIPAL CENTRAL STATIONS—GROSS AND NET INCOME, EXPENSES AND SURPLUS, 1912, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Income, electric service.	All other income.	Gross income.	Operating expenses.	Taxes, in- surance, de- preciation.	Interest and sink- ing fund.	Total expenses.	Net income.	Surplus.
1	New England:									
2	Maine.....	\$79,895	\$600	\$80,495	\$50,653	\$1,006	\$5,150	\$56,809	\$28,836	\$23,686
3	New Hampshire.....	25,075	557	25,632	11,533	1,682	4,374	17,589	12,417	8,043
4	Vermont.....	151,623	15,652	167,275	90,927	8,071	27,814	126,812	68,277	40,463
5	Massachusetts.....	1,255,954	37,393	1,293,347	792,789	140,404	97,786	1,030,979	360,154	262,368
6	Rhode Island.....	10,548	0	10,548	5,245	352	457	6,054	4,951	4,494
7	Connecticut.....	276,643	2,566	279,209	150,121	22,162	43,018	215,301	106,926	63,908
8	Middle Atlantic:									
9	New York.....	583,389	16,594	599,983	390,691	32,855	34,455	458,001	176,437	141,982
10	New Jersey.....	125,407	2,411	127,818	82,870	7,257	9,125	99,252	37,691	28,566
11	Pennsylvania.....	627,963	13,887	641,850	409,882	6,838	47,989	464,709	225,130	177,141
12	East North Central:									
13	Ohio.....	1,568,632	38,866	1,607,498	972,332	73,875	129,190	1,175,397	561,291	432,101
14	Indiana.....	1,346,017	29,938	1,375,955	856,652	21,441	44,705	922,798	497,862	453,157
15	Illinois.....	2,386,321	19,144	2,405,465	1,466,817	135,429	66,306	1,668,552	803,219	736,913
16	Michigan.....	1,608,257	45,636	1,653,893	1,035,354	58,815	109,727	1,203,896	559,724	449,997
17	Wisconsin.....	592,542	19,461	612,003	419,511	40,948	43,194	503,653	151,544	108,350
18	West North Central:									
19	Minnesota.....	1,032,235	46,605	1,078,840	721,955	32,104	79,115	833,174	324,781	245,666
20	Iowa.....	605,925	60,793	666,718	485,101	11,022	28,308	524,431	170,595	142,287
21	Missouri.....	777,548	27,323	804,871	544,439	24,261	55,959	624,659	236,171	180,212
22	North Dakota.....	115,880	6,853	122,733	82,178	9,262	8,830	100,270	31,293	22,463
23	South Dakota.....	143,111	3,834	146,945	91,448	13,446	7,877	112,771	42,051	34,174
24	Nebraska.....	535,162	22,084	557,246	367,417	15,132	30,462	413,011	174,697	144,235
25	Kansas.....	603,369	20,946	624,315	415,959	27,506	63,252	506,717	180,850	117,598
26	South Atlantic:									
27	Delaware.....	48,190	504	48,694	28,331	2,077	3,152	33,451	18,286	15,243
28	Maryland and District of Columbia.....	127,211	1,329	128,540	74,787	5,326	8,081	88,303	48,427	40,237
29	Virginia.....	284,579	125	284,704	121,140	22,048	51,534	194,722	141,516	89,982
30	West Virginia.....	57,708	300	58,008	42,820	387	1,187	44,394	14,801	13,614
31	North Carolina.....	602,174	3,794	605,968	354,170	7,519	44,092	405,781	244,279	200,187
32	South Carolina.....	237,883	1,841	239,724	139,423	1,967	19,558	160,948	98,334	78,776
33	Georgia.....	744,054	13,556	757,610	482,336	9,280	54,818	546,434	265,994	211,176
34	Florida.....	725,258	3,435	728,693	460,383	95,419	16,092	571,894	172,891	156,799
35	East South Central:									
36	Kentucky.....	240,518	5,343	245,861	171,660	5,242	4,601	181,503	68,959	64,358
37	Tennessee.....	521,544	7,449	528,993	226,275	4,978	32,861	264,114	297,740	264,879
38	Alabama.....	270,241	3,057	273,298	172,756	5,212	35,680	213,648	95,330	59,650
39	Mississippi.....	417,099	8,957	426,056	286,751	6,898	49,354	343,003	132,407	83,053
40	West South Central:									
41	Arkansas.....	253,823	4,750	258,573	142,663	9,073	10,377	162,113	106,837	96,460
42	Louisiana.....	266,334	3,250	269,584	196,256	2,566	9,008	207,830	70,762	61,754
43	Oklahoma.....	421,096	2,328	423,424	328,421	6,496	71,515	406,432	88,507	16,992
44	Texas.....	440,422	3,800	444,222	263,178	5,260	33,460	301,898	175,784	142,324
45	Mountain:									
46	Montana.....	66,043	5,064	71,107	46,520	8,823	2,258	57,601	15,764	13,506
47	Idaho.....	77,244	100	77,344	30,981	3,158	9,250	43,389	43,205	33,955
48	Wyoming.....	11,868	0	11,868	6,810	375	1,500	8,685	4,683	3,183
49	Colorado.....	98,607	400	99,007	62,318	1,014	7,779	71,111	35,675	27,896
50	New Mexico.....	20,618	0	20,618	15,408	202	3,060	18,670	5,008	1,948
51	Arizona.....	0	0	0	0	0	0	0	0	0
52	Utah.....	142,989	2,573	145,562	69,372	910	15,680	85,962	75,280	59,600
53	Nevada.....	2,886	0	2,886	1,505	0	0	1,505	1,381	1,381
54	Pacific:									
55	Washington.....	1,417,278	31,869	1,449,147	717,277	94,643	109,341	921,261	637,227	527,886
56	Oregon.....	112,060	260	112,320	51,046	362	11,165	62,573	60,912	49,747
57	California.....	604,485	20,054	624,539	363,804	62,078	29,223	455,105	198,657	169,434
58	New England.....	1,799,738	56,768	1,856,506	1,101,268	173,677	178,599	1,453,544	581,561	402,962
59	Middle Atlantic.....	1,336,759	32,892	1,369,651	883,443	46,950	91,569	1,021,962	439,258	347,689
60	East North Central.....	7,501,769	153,045	7,654,814	4,750,666	330,508	393,122	5,474,296	2,573,640	2,180,518
61	West North Central.....	3,813,230	188,438	4,001,668	2,708,497	132,733	273,803	3,115,033	1,160,438	886,635
62	South Atlantic.....	2,827,057	24,884	2,851,941	1,703,390	144,023	198,514	2,045,927	1,004,528	806,014
63	East South Central.....	1,449,402	24,806	1,474,208	857,442	22,330	122,496	1,002,268	594,436	471,940
64	West South Central.....	1,381,675	14,128	1,395,803	930,518	23,395	124,360	1,078,273	441,890	317,530
65	Mountain.....	420,255	8,137	428,392	232,914	14,482	39,527	286,923	180,996	141,469
66	Pacific.....	2,133,823	52,183	2,186,006	1,132,127	157,083	149,729	1,438,939	896,796	747,067
67	United States.....	22,663,708	555,281	23,218,989	14,300,265	1,045,181	1,571,719	16,917,165	7,873,543	6,301,824

NOTE.—“Gross income” is made up of “Income from electric service,” including estimated value of free service, and “All other income,” such as interest and dividends upon investments etc. “Net income” equals gross income, less operating expenses, taxes, insurance, and depreciation. “Total expenses” covers expenditures for all purposes. “Operating expenses” covers expenditures for fuel and other supplies, salaries, wages, rentals, electric current purchased, and payments for injuries and damages.

Amounts for Delaware, Maryland, and District of Columbia are combined in the reports of the Census Bureau for all years and in Idaho, Montana, and Rhode Island for 1907. Amounts for the individual States have been estimated by prorating income and operating expense in proportion to power output, and taxes, etc., and interest, etc., in proportion to primary power.

TABLE 52.—MUNICIPAL CENTRAL STATIONS—GROSS AND NET INCOME, EXPENSES AND SURPLUS PER HORSE-POWER YEAR OF OUTPUT, 1912, AND RATIO OF NET TO GROSS INCOME, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Income, electric service.	All other income.	Gross income.	Oper- ating expenses.	Taxes, insurance, depreci- ation.	Interest and sink- ing fund.	Total expenses.	Net income.	Surplus.	Ratio net to gross income.
	New England:										
1	Maine.....	\$253	\$2	\$255	\$161	\$3	\$16	\$180	\$91	\$75	0.358
2	New Hampshire.....	353	8	361	162	24	62	248	175	113	.484
3	Vermont.....	252	26	278	152	13	46	211	113	67	.408
4	Massachusetts.....	296	9	305	187	33	23	243	85	62	.278
5	Rhode Island.....	586	0	586	291	20	25	336	275	250	.469
6	Connecticut.....	362	3	365	196	29	56	281	140	84	.383
	Middle Atlantic:										
7	New York.....	254	7	261	170	14	15	199	77	62	.294
8	New Jersey.....	369	7	376	244	21	27	292	111	84	.295
9	Pennsylvania.....	337	7	344	219	4	26	249	121	95	.351
	East North Central:										
10	Ohio.....	261	6	267	162	12	21	195	93	72	.349
11	Indiana.....	282	6	288	180	4	9	193	104	95	.362
12	Illinois.....	150	1	151	92	9	4	105	50	46	.334
13	Michigan.....	163	5	168	105	6	11	122	57	46	.338
14	Wisconsin.....	443	14	457	313	31	32	376	113	81	.248
	West North Central:										
15	Minnesota.....	447	20	467	312	14	35	361	141	106	.301
16	Iowa.....	396	40	436	317	7	19	343	112	93	.256
17	Missouri.....	377	13	390	264	12	27	303	114	87	.293
18	North Dakota.....	494	29	523	350	39	38	427	134	96	.255
19	South Dakota.....	800	21	821	511	75	44	630	235	191	.286
20	Nebraska.....	409	17	426	281	12	23	316	133	110	.314
21	Kansas.....	328	11	339	226	15	34	275	98	64	.290
	South Atlantic:										
22	Delaware.....	272	3	275	160	12	17	189	103	86	.376
23	Maryland and District of Columbia.....	272	3	275	160	11	18	189	104	86	.377
24	Virginia.....	228	0	228	97	18	41	156	113	72	.497
25	West Virginia.....	261	1	262	193	2	6	201	67	61	.255
26	North Carolina.....	590	4	594	348	7	43	398	239	196	.403
27	South Carolina.....	506	4	510	297	4	41	342	209	168	.410
28	Georgia.....	395	7	402	256	5	29	290	141	112	.351
29	Florida.....	351	2	353	223	46	8	277	84	76	.237
	East South Central:										
30	Kentucky.....	161	4	165	115	4	3	122	46	43	.280
31	Tennessee.....	348	5	353	151	3	22	176	199	177	.563
32	Alabama.....	334	4	338	214	6	44	264	118	74	.349
33	Mississippi.....	394	8	402	270	7	47	324	125	78	.311
	West South Central:										
34	Arkansas.....	415	8	423	233	15	17	265	175	158	.413
35	Louisiana.....	388	5	393	286	4	13	303	103	90	.262
36	Oklahoma.....	441	2	443	343	7	75	425	93	18	.209
37	Texas.....	350	3	353	209	4	27	240	140	113	.396
	Mountain:										
38	Montana.....	211	16	227	149	28	7	184	50	43	.222
39	Idaho.....	544	1	545	219	22	65	306	304	239	.559
40	Wyoming.....	659	0	659	378	21	83	482	260	177	.395
41	Colorado.....	478	2	480	302	5	38	345	173	135	.360
42	New Mexico.....	261	0	261	194	3	39	236	64	25	.243
43	Arizona.....										
44	Utah.....	242	4	246	117	2	26	145	127	101	.517
45	Nevada.....										.479
	Pacific:										
46	Washington.....	269	6	275	136	18	21	175	121	100	.440
47	Oregon.....	203	1	204	93	1	20	114	110	90	.542
48	California.....	441	15	456	266	45	21	332	145	124	.318
49	New England.....	300	9	309	183	29	30	242	97	67	.313
50	Middle Atlantic.....	297	7	304	197	10	20	227	97	77	.321
51	East North Central.....	197	4	201	125	9	10	144	67	57	.336
52	West North Central.....	403	20	423	286	14	29	329	123	94	.290
53	South Atlantic.....	375	3	378	226	19	26	271	133	107	.352
54	East South Central.....	298	5	303	176	5	25	206	122	97	.403
55	West South Central.....	393	4	397	265	7	35	307	125	90	.317
56	Mountain.....	312	6	318	173	11	29	213	134	105	.423
57	Pacific.....	297	7	304	157	22	21	200	125	104	.410
	United States.....	274	7	281	173	13	19	205	95	76	.339

NOTE.—“Gross income” is made up of “Income from electric service,” including estimated value of free service, and “All other income,” such as interest and dividends upon investments, etc. “Net income” equals gross income, less operating expenses, taxes, insurance, and depreciation. “Total expenses” covers expenditures for all purposes. “Operating expenses” covers expenditures for fuel and other supplies, salaries, wages, rentals, electric current purchased, and payments for injuries and damages. Amounts for Delaware, Maryland, and District of Columbia are combined in the reports of the Census Bureau for all years, and in Idaho, Montana, and Rhode Island for 1907. Amounts for the individual States have been estimated by prorating income and operating expense in proportion to power, output, and taxes, etc., in proportion to primary power.



TABLE 53.—PRIMARY POWER—WATER POWER, STEAM POWER, AND GAS POWER, 1915, IN HORSEPOWER AND GENERATOR CAPACITIES IN KILO-VOLT-AMPERES, IN COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND A FEW MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

		Commercial central stations.					Municipal central stations.				
		Water power.	Steam power.	Gas power.	Total power.	Generators.	Water power.	Steam power.	Gas power.	Total power.	Generators.
	New England:										
1	Maine.....	103,221	33,871	155	137,247	81,933	1,996	805	.....	2,801	1,450
2	New Hampshire.....	48,815	31,370	1,695	81,880	45,734	600	545	.....	1,145	700
3	Vermont.....	84,963	22,171	989	108,123	70,981	4,910	1,830	.....	6,740	4,347
4	Massachusetts.....	119,287	385,439	1,507	506,233	365,858	1,270	31,573	980	33,823	21,166
5	Rhode Island.....	2,485	90,710	1,625	94,820	45,295	.....	.....	.....	.....	.....
6	Connecticut.....	41,910	101,099	75	143,084	104,689	.....	10,135	755	10,890	6,450
	Middle Atlantic:										
7	New York.....	587,637	812,206	6,306	1,406,149	997,731	2,005	8,581	1,390	11,976	7,945
8	New Jersey.....	9,835	305,585	1,710	317,130	221,283	112	2,770	115	2,997	2,255
9	Pennsylvania.....	167,862	598,162	9,585	775,609	571,704	538	13,739	1,810	16,087	11,663
	East North Central:										
10	Ohio.....	19,773	555,674	5,938	581,385	436,321	175	53,450	2,309	55,934	39,839
11	Indiana.....	7,891	277,361	2,960	288,212	221,189	200	28,980	285	29,465	22,580
12	Illinois.....	48,650	806,736	3,852	859,238	628,363	.....	20,706	200	20,906	13,661
13	Michigan.....	186,289	287,788	748	474,825	325,960	10,972	41,492	687	53,151	38,966
14	Wisconsin.....	155,980	177,540	7,268	340,738	219,248	3,143	13,809	1,225	18,177	12,656
	West North Central:										
15	Minnesota.....	188,495	124,560	1,597	314,652	222,102	1,399	19,896	2,303	23,598	17,561
16	Iowa.....	158,721	129,891	1,442	290,054	239,769	710	14,517	1,595	16,822	11,724
17	Missouri.....	20,590	241,330	3,069	264,989	212,891	.....	19,331	170	19,501	14,193
18	North Dakota.....	80	15,477	706	16,263	12,194	.....	2,420	242	2,662	1,703
19	South Dakota.....	12,595	14,115	17,963	44,673	23,961	.....	1,420	936	2,356	1,645
20	Nebraska.....	5,674	47,174	2,516	55,364	39,623	5,050	12,490	1,924	19,464	14,073
21	Kansas.....	11,563	63,080	4,544	79,187	52,041	125	22,160	4,172	26,457	17,381
	South Atlantic:										
22	Delaware.....	54	16,300	250	16,604	11,725	.....	1,535	.....	1,535	1,200
23	Maryland and District of Columbia.....	2,539	203,650	505	206,694	151,849	.....	2,533	.....	2,533	2,595
24	Virginia.....	70,275	87,899	310	158,484	112,023	6,124	6,278	.....	12,402	7,703
25	West Virginia.....	7,637	102,458	2,825	112,920	89,809	.....	1,600	155	1,755	824
26	North Carolina.....	91,183	69,333	1,750	162,266	110,259	1,035	8,923	.....	9,958	7,176
27	South Carolina.....	206,612	36,450	.....	243,062	162,161	.....	4,625	.....	4,625	3,630
28	Georgia.....	203,406	96,574	.....	299,980	215,660	500	16,127	.....	16,627	11,442
29	Florida.....	7,030	25,685	1,165	33,880	23,361	.....	12,697	.....	12,697	9,628
	East South Central:										
30	Kentucky.....	.....	71,090	1,035	72,125	53,284	.....	7,730	.....	7,730	6,131
31	Tennessee.....	97,535	68,824	80	166,439	129,074	300	6,421	225	6,946	5,250
32	Alabama.....	81,784	68,864	.....	150,648	122,909	682	6,832	15	7,529	5,430
33	Mississippi.....	.....	31,780	100	31,880	30,129	.....	10,473	150	10,623	7,546
	West South Central:										
34	Arkansas.....	2,200	44,857	245	47,302	31,377	.....	5,132	130	5,262	3,771
35	Louisiana.....	.....	76,784	2,335	79,119	71,370	.....	7,206	855	8,061	5,824
36	Oklahoma.....	1,400	44,513	5,500	51,413	37,896	358	11,573	855	12,786	8,687
37	Texas.....	6,552	190,105	13,347	210,004	157,450	225	6,925	324	7,474	5,845
	Mountain:										
38	Montana.....	189,405	30,353	75	219,833	137,237	.....	1,005	.....	1,005	700
39	Idaho.....	148,410	9,430	500	158,340	111,795	1,350	.....	.....	1,350	600
40	Wyoming.....	2,364	14,345	20	16,729	11,160	40	335	36	411	227
41	Colorado.....	82,925	80,353	130	163,408	103,455	975	2,775	.....	3,750	2,317
42	New Mexico.....	552	12,660	.....	13,212	12,362	.....	300	385	685	485
43	Arizona.....	33,630	53,655	870	88,155	61,802	.....	.....	.....	.....	50
44	Utah.....	87,872	29,164	.....	117,036	76,322	7,151	650	.....	7,801	4,757
45	Nevada.....	13,150	2,600	744	16,494	12,078	.....	.....	.....	.....	.....
	Pacific:										
46	Washington.....	265,491	78,404	166	344,061	232,999	54,510	13,450	.....	67,960	41,010
47	Oregon.....	120,362	60,949	250	181,561	110,835	4,646	210	32	4,888	2,815
48	California.....	676,425	461,917	2,055	1,140,397	778,332	45,700	12,000	.....	57,700	40,315
49	New England.....	400,681	664,660	6,046	1,071,387	714,490	8,776	44,888	1,735	55,399	34,113
50	Middle Atlantic.....	765,334	1,715,953	17,601	2,498,888	1,790,718	2,655	25,090	3,315	31,060	21,802
51	East North Central.....	418,533	2,105,099	20,766	2,544,398	1,831,081	14,490	158,437	4,706	177,633	127,763
52	West North Central.....	397,718	635,627	31,837	1,065,182	802,581	7,284	92,234	11,342	110,860	78,280
53	South Atlantic.....	588,736	638,349	6,805	1,233,890	876,847	7,659	54,318	155	62,132	44,198
54	East South Central.....	179,319	240,558	1,215	421,092	335,396	982	31,456	390	32,828	24,357
55	West South Central.....	10,152	356,259	21,427	387,838	298,093	583	30,836	2,164	33,583	24,127
56	Mountain.....	558,308	232,560	2,339	793,207	526,211	9,516	5,065	421	15,002	9,136
57	Pacific.....	1,062,278	601,270	2,471	1,666,019	1,122,166	104,856	25,660	32	130,548	84,140
	United States.....	4,381,059	7,190,335	110,507	11,706,901	8,297,583	156,801	467,984	24,260	649,045	447,916

NOTE.—The term "Steam power" includes steam engines and steam turbines; "Water power," water wheels, turbines, and motors; and "Gas power," internal-combustion engines using either gas or oil fuel.



TABLE 53.—PRIMARY POWER—WATER POWER, STEAM POWER, AND GAS POWER, 1915, IN HORSEPOWER AND GENERATOR CAPACITIES IN KILO-VOLT-AMPERES, IN COMMERCIAL AND MUNICIPAL CENTRAL STATIONS, STREET AND ELECTRIC RAILWAYS, AND A FEW MANUFACTURING PLANTS, BY STATES AND BY GEOGRAPHIC DIVISIONS—Continued.

		Street and electric railways and manufactures. <sup>a</sup>					All stations.				
		Water power.	Steam power.	Gas power.	Total power.	Generators.	Water power.	Steam power.	Gas power.	Total power.	Generators.
1	New England:										
2	Maine.....	172,372	26,595	.....	198,967	18,069	277,589	61,271	155	339,015	101,452
3	New Hampshire.....	59,000	7,410	.....	66,410	3,481	108,415	39,325	1,695	149,435	49,915
4	Vermont.....	28,016	2,975	.....	30,991	2,340	117,889	26,976	989	145,854	77,668
5	Massachusetts.....	33,128	228,957	850	262,935	162,936	153,685	645,969	3,337	802,991	549,960
6	Rhode Island.....	.....	.....	.....	.....	.....	2,485	90,710	1,625	94,820	45,295
7	Connecticut.....	.....	38,670	.....	38,670	22,455	41,910	149,904	830	192,644	133,594
8	Middle Atlantic:										
9	New York.....	209,888	639,206	2,661	851,755	429,718	799,530	1,459,993	10,357	2,269,880	1,435,394
10	New Jersey.....	.....	19,455	.....	19,455	12,532	9,947	327,810	1,825	339,582	236,070
11	Pennsylvania.....	133	203,122	110	203,365	138,861	168,533	815,023	11,505	995,061	722,22
12	East North Central:										
13	Ohio.....	.....	112,168	250	112,418	79,025	19,948	712,292	8,497	749,737	555,185
14	Indiana.....	.....	8,195	.....	8,195	7,200	8,091	314,536	3,245	325,872	250,969
15	Illinois.....	5,751	32,830	.....	38,581	22,879	54,401	860,272	4,052	918,725	664,903
16	Michigan.....	15,850	58,836	.....	74,686	50,350	213,111	388,116	1,435	602,662	415,276
17	Wisconsin.....	74,496	8,385	900	83,781	7,100	233,569	199,734	9,393	442,696	239,004
18	West North Central:										
19	Minnesota.....	39,364	14,867	.....	54,231	11,326	229,258	159,323	3,900	392,481	250,989
20	Iowa.....	.....	9,350	.....	9,350	6,450	159,431	153,758	3,037	316,226	257,943
21	Missouri.....	80	42,500	.....	42,580	29,180	20,670	303,161	3,239	327,070	256,264
22	North Dakota.....	.....	.....	.....	.....	.....	80	17,897	948	18,925	13,897
23	South Dakota.....	458	.....	.....	458	275	13,053	15,535	18,899	47,487	25,881
24	Nebraska.....	75	23,775	40	23,890	15,925	10,799	83,439	4,480	98,718	69,621
25	Kansas.....	.....	1,250	2,900	4,150	6,755	11,688	86,490	11,616	109,794	76,177
26	South Atlantic:										
27	Delaware.....	.....	.....	.....	.....	.....	54	17,835	250	18,139	12,925
28	Maryland and District of Columbia.....	750	10,070	.....	10,820	7,110	3,289	216,253	505	220,047	161,554
29	Virginia.....	17,830	19,630	.....	37,460	22,424	94,229	113,807	310	208,346	142,150
30	West Virginia.....	16,150	540	8,035	24,725	6,875	23,787	104,598	11,015	139,400	97,508
31	North Carolina.....	6,887	1,515	.....	8,402	452	99,105	79,771	1,750	180,626	117,887
32	South Carolina.....	20,400	5,950	.....	26,350	3,400	227,012	47,025	.....	274,037	169,191
33	Georgia.....	13,649	7,350	.....	20,999	7,560	217,555	120,051	.....	337,606	234,662
34	Florida.....	.....	.....	1,150	1,150	937	7,030	38,382	2,315	47,727	33,926
35	East South Central:										
36	Kentucky.....	.....	48,030	.....	48,030	29,150	.....	126,850	1,035	127,885	88,565
37	Tennessee.....	.....	13,900	.....	13,900	8,800	97,835	89,145	305	187,285	143,124
38	Alabama.....	.....	1,920	.....	1,920	700	82,466	77,616	15	160,097	129,039
39	Mississippi.....	.....	.....	.....	.....	.....	.....	42,253	250	42,503	37,675
40	West South Central:										
41	Arkansas.....	.....	850	.....	850	600	2,200	50,839	375	53,414	35,748
42	Louisiana.....	160	3,500	.....	3,660	2,210	160	87,490	3,190	90,840	79,404
43	Oklahoma.....	.....	5,980	330	6,310	4,865	1,758	62,066	6,685	70,509	51,448
44	Texas.....	.....	5,755	400	6,155	4,832	6,777	202,785	14,071	223,633	168,127
45	Mountain:										
46	Montana.....	13,490	1,260	.....	14,750	2,665	202,895	32,618	75	235,588	140,602
47	Idaho.....	2,600	70	.....	2,670	1,310	152,360	9,500	500	162,360	113,705
48	Wyoming.....	140	200	.....	340	372	2,544	14,880	56	17,480	11,759
49	Colorado.....	8,403	18,780	.....	27,183	17,937	92,303	101,908	130	194,341	123,709
50	New Mexico.....	.....	.....	.....	.....	.....	552	12,960	385	13,897	12,847
51	Arizona.....	.....	.....	.....	.....	.....	33,630	53,655	870	88,155	61,852
52	Utah.....	1,711	1,800	.....	3,511	1,956	96,734	31,614	.....	128,348	83,035
53	Nevada.....	170	9,775	.....	9,945	4,750	13,320	12,375	744	26,439	16,828
54	Pacific:										
55	Washington.....	11,133	1,800	.....	12,933	8,103	331,134	93,654	166	424,954	282,112
56	Oregon.....	31,755	3,500	.....	35,255	2,306	156,763	64,659	282	221,704	115,956
57	California.....	.....	72,950	60	73,010	55,860	722,125	546,867	2,115	1,271,107	874,507
58	New England.....	292,516	304,607	850	597,973	209,281	701,973	1,014,155	8,631	1,724,759	957,884
59	Middle Atlantic.....	210,021	861,783	2,771	1,074,575	581,111	978,010	2,602,826	23,687	3,604,523	2,393,692
60	East North Central.....	96,097	220,414	1,150	317,661	166,554	529,120	2,483,950	26,622	3,039,692	2,125,337
61	West North Central.....	39,977	91,742	2,940	134,659	69,911	424,979	819,603	46,119	1,310,701	950,772
62	South Atlantic.....	75,666	45,055	9,185	129,906	48,758	672,061	737,722	16,145	1,425,928	969,803
63	East South Central.....	.....	63,850	.....	63,850	38,650	180,301	335,864	1,605	517,770	398,403
64	West South Central.....	160	16,085	730	16,975	12,507	10,895	403,180	24,321	438,396	334,727
65	Mountain.....	26,514	31,885	.....	58,399	28,990	594,338	269,510	2,760	866,608	564,337
66	Pacific.....	42,888	78,250	60	121,198	66,269	1,210,022	705,180	2,563	1,917,765	1,272,575
67	United States.....	783,839	1,713,671	17,686	2,515,196	1,222,031	5,321,699	9,371,990	152,453	14,846,142	9,967,530

<sup>a</sup> Totals include 736,197 water horsepower and 172,210 steam horsepower, total 908,407 horsepower used in manufactures.

NOTES.—This table summarizes the data shown in detail on succeeding pages.  
The term "Steam power" includes steam engines and steam turbines; "Water power," water wheels, turbines and motors; and "Gas power," internal-combustion engines using either gas or oil fuel.



**TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT.**

[From data collected for 1915 as appearing in Table 55, Part II. References are to the detail sheets following these summary tables.]

**ALABAMA.**

Reference Nos.	Name of company	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
4	Alabama Traction, Light & Power Co.....	7	72,500	18,920	91,420	72,500	91,420	87.9	57.1	87.9	57.1
39	United Gas & Electric Corporation of Connecticut.....	1	0	16,300	16,300	72,500	107,720	0	10.2	87.9	67.3
36	H. M. Byllesby & Co.....	1	0	9,330	9,330	72,500	117,050	0	5.8	87.9	73.1
23	Doherty Operating Co.....	1	5,000	3,420	8,420	77,500	125,470	6.1	5.3	94.0	78.4
41	West Point Manufacturing Co.....	2	3,950	4,200	8,150	81,450	133,620	4.8	5.1	98.8	83.5
31	Montgomery Light & Traction Co.....	1	0	6,670	6,670	81,450	140,290	0	4.2	98.8	87.7
33	The Sheffield Co.....	1	0	2,432	2,432	81,450	142,722	0	1.5	98.8	89.2
1	Alabama City, Gadsden & Attilla Ry. Co.....	1	0	1,500	1,500	81,450	144,222	0	.9	98.8	90.1
44	Municipal stations.....	34	682	6,847	7,529	82,132	151,751	.8	4.7	99.6	94.8
	All other stations.....	32	334	8,012	8,346	82,466	160,097	.4	5.2	100.0	100.0
	Total.....	81	82,466	77,631	160,097	-----	-----	100.0	100.0	-----	-----
	Central stations and electric railways, 1912.....	-----	9,880	73,525	83,403	-----	-----	-----	-----	-----	-----

**ARIZONA.**

17	Ray Consolidated Copper Co.....	1	0	14,700	14,700	0	14,700	0	16.7	0	16.7
1	Arizona Copper Co.....	1	0	10,000	10,000	0	24,700	0	11.3	0	28.0
2	Arizona Power Co.....	2	9,000	750	9,750	9,000	34,450	26.8	11.0	26.8	39.0
6	Copper Queen Consolidated Mining Co.....	2	0	5,170	5,170	9,000	39,620	0	5.9	26.8	44.9
11	Federal Light & Traction Co.....	1	0	2,180	2,180	9,000	41,800	0	2.5	26.8	47.4
21, 30	United States Reclamation Service and municipal stations.....	6	24,250	40	24,290	33,250	65,090	72.1	27.6	98.9	75.0
	All other stations.....	18	380	21,685	22,065	33,630	88,155	1.1	25.0	100.0	100.0
	Total.....	31	33,630	54,525	88,155	-----	-----	100.0	100.0	-----	-----
	Central stations and electric railways, 1912.....	-----	817	10,198	11,015	-----	-----	-----	-----	-----	-----

**ARKANSAS.**

56	United Gas & Electric Corporation of Connecticut.....	1	0	9,900	9,900	0	9,900	0	18.5	0	18.5
17	H. M. Byllesby & Co.....	1	0	5,425	5,425	0	15,325	0	10.2	0	28.7
47	Pine Bluff Co.....	1	0	5,250	5,250	0	20,575	0	9.8	0	38.5
1	Arkansas Light & Power Co.....	7	0	3,620	3,620	0	24,195	0	6.8	0	45.3
53	Southwestern Gas & Electric Co.....	1	0	3,350	3,350	0	27,545	0	6.3	0	51.6
43	Merchants Lighting Co.....	1	0	3,330	3,330	0	30,875	0	6.2	0	57.8
28	Federal Light & Traction Co.....	1	0	3,000	3,000	0	33,875	0	5.6	0	63.4
51	Seaford Engineering Co. of Philadelphia.....	1	0	1,670	1,670	0	35,545	0	3.1	0	66.5
41	Mammoth Springs Electric Light & Power Co.....	1	1,600	0	1,600	1,600	37,145	72.7	3.0	72.7	69.5
52	Seven Cities Co.....	1	600	500	1,100	2,200	38,245	27.3	2.1	100.0	71.6
27	Fayetteville Gas & Electric Co.....	1	0	1,020	1,020	2,200	39,265	0	1.9	100.0	73.5
60	Municipal stations.....	17	0	5,262	5,262	2,200	44,527	0	9.9	100.0	83.4
	All other stations.....	37	0	8,887	8,887	2,200	53,414	0	16.6	100.0	100.0
	Total.....	71	2,200	51,214	53,414	-----	-----	100.0	100.0	-----	-----
	Central stations and electric railways, 1912.....	-----	3,040	39,564	42,604	-----	-----	-----	-----	-----	-----

**CALIFORNIA.**

79	Pacific Gas & Electric Co.....	13	152,080	108,540	260,620	152,080	260,620	21.1	20.5	20.1	20.5
93	Pacific Light & Power Corporation.....	13	117,950	79,300	197,250	270,030	457,870	16.3	15.5	37.4	36.0
128	Southern California Edison Co.....	11	56,400	79,120	135,520	326,430	593,390	7.8	10.7	45.2	46.7
165	Western Power Co.....	4	73,330	38,670	112,000	399,760	705,390	10.2	8.8	55.4	55.5
155	United Railways Investment Co.....	5	65,600	25,330	90,930	465,360	796,320	9.1	7.2	64.5	62.7
115	San Joaquin Light & Power Co.....	8	40,150	28,950	69,100	505,510	835,420	5.6	5.4	70.1	68.1
58	Nevada California Power Co.....	7	37,750	10,670	48,420	543,260	913,840	5.2	3.8	75.3	72.1
66	Northern California Power Co.....	7	47,200	0	47,200	590,460	961,040	6.6	3.7	81.9	75.6
9	H. M. Byllesby & Co.....	6	17,200	20,020	37,220	607,660	998,260	2.4	2.9	84.3	78.5
92	Pacific Lighting Corporation.....	1	0	34,202	34,202	607,660	1,032,462	0	2.7	84.3	81.2
149	United Properties Co.....	6	0	33,025	33,025	607,660	1,065,487	0	2.6	84.3	83.8
198	Southern Pacific Co.....	2	0	23,870	23,870	607,660	1,089,357	0	1.9	84.3	85.7
58	Mount Whitney Power Co.....	5	14,650	9,000	23,650	622,310	1,113,007	2.0	1.9	86.3	87.6
67	Oro Electric Corporation.....	3	6,000	1,300	7,300	628,310	1,120,307	.8	.6	87.1	88.2
16	California-Oregon Power Co.....	2	5,300	0	5,300	633,610	1,125,607	.7	.4	87.8	88.6
173	Municipal stations.....	18	45,700	12,000	57,700	679,310	1,183,307	6.3	4.5	94.1	93.1
	All other stations.....	85	42,815	44,985	87,800	722,125	1,271,107	5.9	6.9	100.0	100.0
	Total.....	200	722,125	548,982	1,271,107	-----	-----	100.0	100.0	-----	-----
	Central stations and electric railways, 1912.....	-----	432,327	449,232	881,559	-----	-----	-----	-----	-----	-----



TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT—Continued.

## COLORADO.

Reference Nos.	Name of company.	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
14	Colorado Power Co.....	7	41,750	4,870	46,620	41,750	46,620	45.2	24.0	45.2	24.0
26	Doherty Operating Co.....	1	0	24,650	24,650	41,750	71,270	0	12.7	45.2	36.7
74	Utah Securities Corporation.....	8	18,630	1,480	20,110	60,380	91,380	20.2	10.3	65.4	47.0
7	H. M. Byllesby & Co.....	5	2,400	11,894	14,294	62,780	105,674	2.6	7.4	68.0	54.4
70	United Gas & Electric Co. of Connecticut.....	2	4,750	6,460	11,210	67,530	116,884	5.1	5.8	73.1	60.2
33	Federal Light & Traction Co.....	3	0	10,670	10,670	67,530	127,554	0	5.5	73.1	65.7
83	Western Light & Power Co.....	1	0	10,670	10,670	67,530	138,224	0	5.5	73.1	71.2
65	Roaring Fork Electric Light & Power Co.....	1	3,600	0	3,600	71,130	141,824	3.9	1.8	77.0	73.0
84	Municipal stations.....	10	975	2,775	3,750	72,105	145,574	1.1	1.9	78.1	74.9
	All other stations.....	103	20,198	28,569	48,767	92,303	194,341	21.9	25.1	100.0	100.0
	Total.....	141	92,303	102,038	194,341			100.0	100.0		
	Central stations and electric railways, 1912.....		82,205	100,331	182,536						

## CONNECTICUT.

12, 64	New York, New Haven & Hartford R. R. Co....	13	8,050	35,275	43,325	8,050	43,325	19.2	22.5	19.2	22.5
52	United Illuminating Co.....	2	0	31,200	31,200	8,050	74,525	0	16.2	19.2	38.7
13	The Hartford Electric Light Co.....	3	3,600	20,670	24,270	11,650	98,795	8.6	12.6	27.8	51.3
42	Stone & Webster.....	5	16,000	6,505	22,505	27,650	121,300	38.2	11.7	66.0	63.0
37	Shore Line Electric Ry. Co.....	2	0	6,780	6,780	27,650	128,080	0	3.5	66.0	66.5
41	Stamford Gas & Electric Co.....	1	0	6,080	6,080	27,650	134,160	0	3.2	66.0	69.7
30	Ponemah Mills.....	1	2,500	3,304	5,804	30,150	139,964	5.9	3.0	71.9	72.7
19	Meriden Electric Light Co.....	1	0	5,550	5,550	30,150	145,514	0	2.9	71.9	75.6
9	Derby Gas Co.....	1	1,000	3,567	4,567	31,150	150,081	2.4	2.4	74.3	78.0
28	Ousatonic Water Power Co.....	2	3,400	0	3,400	34,550	153,481	8.1	1.8	82.4	79.8
1	Atlantic Power & Light Corporation.....	2	2,300	850	3,150	36,850	156,631	5.5	1.6	87.9	81.4
10	Doherty Operating Co.....	1	0	2,733	2,733	36,850	159,364	0	1.4	87.9	82.8
71	Norwood & Westerly Traction Co.....	2	0	2,470	2,470	36,850	161,834	0	1.3	87.9	84.1
50	The Uncas Power Co.....	1	2,000	0	2,000	38,850	163,834	4.8	1.0	92.7	85.1
48	Torrington Electric Co.....	1	0	2,000	2,000	38,850	165,834	0	1.0	92.7	86.1
32	Putnam Light & Power Co.....	1	600	1,285	1,885	39,450	167,719	1.4	1.0	94.1	87.1
57	Municipal stations.....	6	0	10,890	10,890	39,450	178,609	0	5.6	94.1	92.7
	All other stations.....	27	2,460	11,575	14,035	41,910	192,644	5.9	7.3	100.0	100.0
	Total.....	72	41,910	150,734	192,644			100.0	100.0		
	Central stations and electric railways, 1912.....		20,334	141,752	162,086						

## DELAWARE.

5	National Properties Co.....	3	0	14,800	14,800	0	14,800	0	81.8	0	81.8
11	Municipal stations.....	6	0	1,535	1,535	0	16,335	0	8.5	0	90.3
	All other stations.....	7	54	1,750	1,804	54	18,139	100.0	9.7	100.0	100.0
	Total.....	16	54	18,085	18,139			100.0	100.0		
	Central stations and electric railways, 1912.....		826	24,075	24,901						

## FLORIDA.

29	Stone & Webster.....	4	1,400	8,615	10,015	1,400	10,015	19.9	21.0	19.9	21.0
11	Florida Power Co.....	1	5,600	0	5,600	7,000	15,615	79.7	11.7	99.6	32.7
34	J. G. White & Co.....	8	0	4,127	4,127	7,000	19,742	0	8.7	99.6	41.4
19	Miami Electric Light & Power Co.....	1	0	2,255	2,255	7,000	21,997	0	4.7	99.6	46.1
13	General Utilities Operating Co.....	1	0	2,000	2,000	7,000	23,997	0	4.2	99.6	50.3
21	Orlando Water & Light Co.....	1	0	1,350	1,350	7,000	25,347	0	2.8	99.6	53.1
3	Bagdad Land & Lumber Co.....	1	0	1,320	1,320	7,000	26,667	0	2.8	99.6	55.9
26	St. Johns Electric Co.....	1	0	1,300	1,300	7,000	27,967	0	2.7	99.6	58.6
45	Municipal stations.....	17	0	12,697	12,697	7,000	40,664	0	26.6	99.6	85.2
	All other stations.....	27	30	7,033	7,063	7,030	47,727	.4	14.8	100.0	100.0
	Total.....	62	7,030	40,697	47,727			100.0	100.0		
	Central stations and electric railways, 1912.....		7,100	44,604	51,704						

## GEORGIA.

19	Georgia Railway & Power Co.....	7	100,400	33,720	134,120	100,400	134,120	46.1	39.7	46.1	39.7
47	Stone & Webster.....	7	29,426	18,790	48,216	129,826	182,336	13.5	14.3	59.6	54.0
16	Georgia Light, Power & Railways Co.....	3	33,000	4,750	37,750	162,826	220,086	15.2	11.2	74.8	65.2
60	J. G. White & Co. (Inc.).....	5	20,800	8,342	29,142	183,626	249,228	9.6	8.6	84.4	73.8
42	Savannah Lighting Co.....	1	0	9,600	9,600	183,626	258,828	0	2.8	84.4	76.6
59	West Point Manufacturing Co.....	1	3,000	5,000	8,000	186,626	266,828	1.4	2.4	85.8	79.0
8	Doherty Operating Co.....	4	5,800	2,000	7,800	192,426	274,628	2.7	2.3	88.5	81.3
146	Fulton Bag & Cotton Mills.....	1	0	6,500	6,500	192,426	281,128	0	1.9	88.5	83.2
1	Albany Power & Manufacturing Co.....	1	2,330	2,130	4,460	194,756	285,588	1.1	1.3	89.6	84.5
55	Towaliga Falls Power Co.....	1	3,600	750	4,350	198,356	289,938	1.6	1.3	91.2	85.8
144	Eagle & Phoenix Mills.....	1	4,000	0	4,000	202,356	293,938	1.8	1.2	93.0	87.0
41	Rome Railway, Light & Power Co.....	1	1,500	2,330	3,830	203,856	297,768	.7	1.1	93.7	88.1
65	Municipal stations.....	75	1,500	16,127	17,627	205,356	315,395	.7	5.2	94.4	93.3
	All other stations.....	49	12,199	10,012	22,211	217,555	337,606	5.6	6.7	100.0	100.0
	Total <sup>a</sup> .....	157	217,555	120,051	337,606			100.0	100.0		
	Central stations and electric railways, 1912.....		82,487	88,345	170,832						

<sup>a</sup> Totals contain 12,649 water horsepower and 7,150 steam horsepower, total of 19,799 horsepower used in manufactures.



TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT—Continued.

## IDAHO.

Reference Nos.	Name of company.	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
49	Utah Securities Corporation.....	10	73,507	300	73,807	73,507	73,807	48.3	45.5	48.3	45.5
25	National Securities Corporation.....	9	34,350	2,000	36,350	107,857	110,157	22.5	22.4	70.8	67.9
59	Washington Water Power Co.....	1	16,300	0	16,300	124,157	126,457	10.7	10.0	81.5	77.9
46	Thousand Springs Power Co.....	1	3,000	0	3,000	127,157	129,457	2.0	1.8	83.5	79.7
14	Grangeville Electric Light & Power Co.....	2	1,300	0	1,300	128,457	130,757	.8	.8	84.3	80.5
8	H. M. Byllesby & Co.....	1	0	900	900	128,457	131,657	0	.6	84.3	81.1
47, 61	United States Reclamation Service and municipal stations.....	5	14,350	0	14,350	142,807	146,007	9.4	8.8	93.7	89.9
	All other stations.....	43	9,553	6,800	16,353	152,360	162,360	6.3	10.1	100.0	100.0
	Total.....	72	152,360	10,000	162,360			100.0	100.0		
	Central stations and electric railways, 1912.....		51,850	4,525	56,375						

## ILLINOIS.

40	Commonwealth Edison Co.....	4	0	511,150	511,150	0	511,150	0	55.6	0	55.6
191	Public Service Co. of Northern Illinois.....	13	5,300	55,930	61,230	5,300	572,380	9.8	6.7	9.8	62.3
231	United Light & Railways Co.....	1	0	42,000	42,000	5,300	614,380	0	4.6	9.8	66.9
336, 64	Illinois Traction.....	28	4,115	35,886	40,001	9,415	654,381	7.6	4.4	17.4	71.3
105	Middle West Utilities Co.....	66	4,630	29,180	33,810	14,045	688,191	8.5	3.7	25.9	75.0
33	Commonwealth Power, Railway & Light Co.....	7	0	26,480	26,480	14,045	714,671	0	2.9	25.9	77.9
332	Chicago Surface Lines.....	2	0	24,000	24,000	14,045	738,671	0	2.6	25.9	80.5
9	Aurora, Elgin & Chicago R. R. Co.....	2	75	21,430	21,505	14,120	760,176	.1	2.3	26.0	82.8
3	American Gas Co.....	2	1,680	16,700	18,380	15,800	778,556	3.1	2.0	29.1	84.8
27	E. W. Clark & Co. Mortgage Corporation.....	4	0	19,100	19,100	15,800	797,656	0	2.1	29.1	86.9
20	H. M. Byllesby & Co.....	1	0	9,660	9,660	15,800	807,316	0	1.0	29.1	87.9
205	Rock Island Southern Ry. Co.....	2	0	5,200	5,200	15,800	812,516	0	.6	29.1	88.5
211	Southern Illinois Light and Power Co.....	7	0	4,546	4,546	15,800	817,062	0	.5	29.1	89.0
248	Municipal stations <sup>a</sup> .....	86	34,500	20,906	55,406	50,300	873,458	63.4	6.0	92.5	95.0
	All other stations.....	119	4,101	41,156	46,257	54,401	918,725	7.5	5.0	100.0	100.0
	Total.....	344	54,401	864,324	918,725			100.0	100.0		
	Central stations and electric railways, 1912.....		42,562	777,849	820,411						

## INDIANA.

65	Indianapolis Light & Heat Co.....	1	0	40,900	40,900	0	40,900	0	12.5	0	12.5
48	Fort Wayne & Northern Indiana Traction Co.....	3	0	32,160	32,160	0	73,060	0	9.9	0	22.4
7	American Public Utilities Co.....	2	0	24,200	24,200	0	97,260	0	7.4	0	29.8
92	Middle West Utilities Co.....	21	4,400	19,430	23,830	4,400	121,090	54.4	7.3	54.4	37.1
139	Terre Haute, Indianapolis & El. Tr. Co.....	8	0	22,800	22,800	4,400	143,890	0	7.0	54.4	44.1
148	Union Traction Co. of Indiana.....	4	0	17,930	17,930	4,400	161,820	0	5.5	54.4	49.6
3	American Gas & Electric Co.....	4	0	16,890	16,890	4,400	178,710	0	5.2	54.4	54.8
155	The United Gas Improvement Co.....	1	0	15,566	15,566	4,400	194,276	0	4.8	54.4	59.6
63-	Indiana & Michigan Electric Co.....	2	1,300	13,330	14,630	5,700	208,906	16.1	4.5	70.5	64.1
32	Commonwealth Power, Railway & Light Co.....	1	0	13,070	13,070	5,700	221,976	0	4.0	70.5	68.1
28	Chicago, Lake Shore & South Bend Ry. Co.....	1	0	10,000	10,000	5,700	231,976	0	3.1	70.5	71.2
66	Indiana Railway & Light Co.....	1	0	9,750	9,750	5,700	241,726	0	3.0	70.5	74.2
245	Indianapolis & Cincinnati Traction Co.....	1	0	2,670	2,670	5,700	244,396	0	.8	70.5	75.0
169	Municipal stations.....	70	200	29,265	29,465	5,900	273,861	2.5	9.0	73.0	84.0
	All other stations.....	126	2,191	49,820	52,011	8,091	325,872	27.0	16.0	100.0	100.0
	Total.....	246	8,091	317,781	325,872			100.0	100.0		
	Central stations and electric railways, 1912.....		23,915	283,508	307,423						

## IOWA.

169	Stone & Webster.....	3	150,000	0	150,000	150,000	150,000	94.1	47.4	94.1	47.4
93	Iowa Railway & Light Co.....	12	0	23,255	23,255	150,000	173,255	0	7.4	94.1	54.8
77	Illinois Traction Co.....	6	300	15,649	15,949	150,300	189,204	.2	5.1	94.3	59.9
27	Central Iowa Light & Power Co.....	3	0	10,400	10,400	150,300	199,604	0	3.3	94.3	63.2
180	Union Electric Co. of Dubuque.....	1	0	9,500	9,500	150,300	209,104	0	3.0	94.3	66.2
183	United Light & Railways Co.....	6	500	8,025	8,525	150,800	217,629	.3	2.7	94.6	68.9
194	Waterloo, Cedar Falls & Northern Ry. Co.....	1	0	7,000	7,000	150,800	224,629	0	2.2	94.6	71.1
3	The American Gas Co.....	5	345	6,545	6,890	151,145	231,519	.2	2.2	94.8	73.3
266	Des Moines City Ry. Co.....	1	0	6,750	6,750	151,145	238,269	0	2.1	94.8	75.4
164	Sioux City Service Co.....	1	0	6,400	6,400	151,145	244,669	0	2.0	94.8	77.4
83	Interstate Power Co.....	6	2,000	1,625	3,625	153,145	248,294	1.3	1.1	96.1	78.5
38	Continental Gas & Electric Corporation.....	7	0	3,363	3,363	153,145	251,657	0	1.1	96.1	79.6
19	H. M. Byllesby & Co.....	1	0	3,350	3,350	153,145	255,007	0	1.1	96.1	80.7
196	Municipal stations.....	70	710	16,112	16,822	153,855	271,829	.4	5.3	96.5	86.0
	All other stations.....	145	5,576	38,821	44,397	159,431	316,226	3.5	14.0	100.0	100.0
	Total.....	268	159,431	156,795	316,226			100.0	100.0		
	Central stations and electric railways, 1912.....		7,029	126,564	133,593						

<sup>a</sup> Includes stations of Sanitary Drainage District of Chicago and of United States Army.



TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT—Continued.

## KANSAS.

Reference Nos.	Name of company.	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
27	Doherty Operating Co.....	4	7,000	13,570	20,570	7,000	35,430	0.0	13.5	59.9	32.2
3	American Power & Light Co.....	5	0	14,860	14,860	7,000	20,570	59.9	18.7	59.9	18.7
50	Illinois Traction Co.....	2	0	7,491	7,491	7,000	42,921	.0	6.8	59.9	39.0
14	Bowersack Mill & Power Co.....	1	1,500	1,000	2,500	8,500	45,421	12.8	2.3	72.7	41.3
67	Light & Development Co. of St. Louis.....	1	0	2,030	2,030	8,500	47,451	.0	1.9	72.7	43.2
103	United Gas & Electric Corporation of Connecticut.....	1	0	1,925	1,925	8,500	49,376	.0	1.8	72.7	45.0
65	Land & Power Co.....	1	1,015	840	1,855	9,515	51,231	8.7	1.7	81.4	46.7
109	Municipal stations.....	90	125	26,232	26,357	9,640	77,588	1.1	24.0	82.5	70.7
	All other stations.....	102	2,048	30,158	32,206	11,688	109,794	17.5	29.3	100.0	100.0
	Total.....	207	11,688	98,106	109,794			100.0	100.0		
	Central stations and electric railways, 1912.....		8,820	101,788	110,608						

## KENTUCKY.

105	Louisville Traction Co.....	2	0	44,130	44,130	None.	44,130	None.	34.5	None.	34.5
6	H. M. Byllesby & Co.....	1	0	33,330	33,330	None.	77,460	None.	26.1	None.	60.6
13	Columbia Gas & Electric Co. of West Virginia.....	1	0	9,100	9,100	None.	86,560	None.	7.1	None.	67.7
42	Kentucky Securities Corporation.....	1	0	6,670	6,670	None.	93,230	None.	5.2	None.	72.9
39	J. G. White & Co.....	3	0	3,260	3,260	None.	96,490	None.	2.6	None.	75.5
54	Middle West Utilities Co.....	7	0	3,195	3,195	None.	99,685	None.	2.5	None.	78.0
104	Kentucky Southwestern Electric Railway Light & Power Co.....	1	0	2,500	2,500	None.	102,185	None.	2.0	None.	80.0
78	Stone & Webster.....	1	0	2,350	2,350	None.	104,535	None.	1.8	None.	81.0
16	Consolidated Coal Co.....	1	0	1,500	1,500	None.	106,035	None.	1.2	None.	83.0
52	Mayfield Water & Light Co.....	1	0	1,200	1,200	None.	107,235	None.	0.9	None.	83.9
47	Light & Development Co. of St. Louis.....	2	0	1,055	1,055	None.	108,290	None.	0.8	None.	84.7
85	Municipal stations.....	18	0	7,730	7,730	None.	116,020	None.	6.0	None.	90.7
	All other stations.....	68	0	11,865	11,865	None.	127,885	None.	9.3	None.	100.0
	Total.....	107	0	127,885	127,885				100.0		
	Central stations and electric railways, 1912.....		0	108,227	108,227						

## LOUISIANA.

26	United Gas & Electric Corporation of Connecticut.....	4	0	66,665	66,665	0	66,665	0	73.4	0	73.4
23	Southwestern Gas & Electric Co.....	1	0	3,450	3,450	0	70,115	0	3.8	0	77.2
58	Shreveport Railways Co.....	1	0	2,450	2,450	0	72,565	0	2.7	0	79.9
12	Lake Charles Railway, Light & Water Works Co.....	1	0	2,370	2,370	0	74,935	0	2.6	0	82.5
25	Stone & Webster.....	1	0	1,400	1,400	0	76,335	0	1.5	0	84.0
1	Algiers Railway & Lighting Co.....	1	0	1,000	1,000	0	77,335	0	1.1	0	85.1
33	Municipal stations.....	25	0	8,061	8,061	0	85,396	0	8.9	0	94.0
	All other stations.....	26	160	5,284	5,444	160	90,840	100.0	6.0	100.0	100.0
	Total.....	60	160	90,680	90,840			100.0	100.0		
	Central stations and electric railways, 1912.....		0	70,910	70,910						

## MAINE.

25	E. W. Clark & Co. Management Corporation.....	16	37,330	18,390	55,720	37,330	55,720	13.4	16.4	13.4	16.4
119	International Paper Co.....	7	45,750	8,095	53,845	83,080	109,565	16.5	15.9	29.9	32.3
18	Central Maine Power Co.....	6	20,700	6,700	27,400	103,780	136,965	7.5	8.1	37.4	40.4
132	St. Croix Paper Co.....	2	25,000	0	25,000	128,780	161,965	9.0	7.4	46.4	47.8
115	Great Northern Paper Co.....	1	24,500	0	24,500	153,280	186,465	8.8	7.2	55.2	55.0
134	Union Water Power Co.....	1	18,400	0	18,400	171,680	204,865	6.6	5.4	61.8	60.4
130	Pepperell Manufacturing Co.....	1	7,000	10,800	17,800	178,680	222,665	2.5	5.2	64.3	65.6
136	S. D. Warren & Co.....	6	12,200	5,000	17,200	190,880	239,865	4.4	5.1	68.7	70.7
126	Pejepscot Paper Co.....	4	14,700	1,800	16,500	205,580	256,365	5.3	4.9	74.0	75.6
3	Hollingsworth & Whitney Co.....	3	15,700	0	15,700	221,280	272,065	5.7	4.6	79.7	80.2
94	Rumford Falls Power Co.....	1	15,000	0	15,000	236,280	287,065	5.4	4.4	85.1	84.6
63	Maine Railway, Light & Power Co.....	5	2,686	2,600	5,286	238,966	292,351	1.0	1.6	86.1	86.2
110	Androscoggin Pulp Co.....	2	3,522	1,100	4,622	242,488	296,973	1.3	1.4	87.4	87.6
1,112	Atlantic Shore Railway Co.....	3	3,100	1,100	4,200	245,588	301,173	1.1	1.2	88.5	88.8
113	Edwards Manufacturing Co.....	1	4,000	0	4,000	249,588	305,173	1.4	1.2	89.9	90.0
13	Cabot Manufacturing Co.....	1	3,300	0	3,300	252,888	308,473	1.2	1.0	91.1	91.0
105	Municipal stations.....	5	1,996	805	2,801	254,884	311,274	.7	.8	91.8	91.8
	All other stations.....	77	22,705	5,036	27,741	277,589	339,015	8.2	8.2	100.0	100.0
	Total.....	142	277,589	61,426	339,015			100.0	100.0		
	Central stations and electric railways, 1912.....		95,502	34,271	129,773						

<sup>a</sup> Totals include 170,272 water horsepower and 26,595 steam horsepower; total, 196,867 horsepower used in manufactures.



**TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT—Continued.****MARYLAND AND DISTRICT OF COLUMBIA.**

Reference Nos.	Name of company.	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
41	United Railways & Electric Co. of Baltimore.....	4	0	61,875	61,875	0	61,875	0	28.1	0	28.1
8	Consolidated Gas, Electric Light & Power Co. of Baltimore.....	7	1,000	56,710	57,710	1,000	119,585	30.4	26.2	30.4	54.3
D. C.-2	Washington Railway & Electric Co.....	1	0	53,800	53,800	1,000	173,385	0	24.5	30.4	78.8
D. C.-1	Capital Traction Co.....	1	0	16,870	16,870	1,000	190,255	0	7.7	30.4	86.5
25	Hagerstown & Frederick Electric Ry. Co.....	2	0	5,905	5,905	1,000	196,160	0	2.7	30.4	89.2
D. C.-4	Washington-Virginia Ry. Co.....	1	0	4,170	4,170	1,000	200,330	0	1.9	30.4	91.1
53	Baltimore & Ohio R. R. Co.....	1	0	3,350	3,350	1,000	203,680	0	1.5	30.4	92.6
20	Edison Electric Illuminating Co. of Cumberland..	1	0	3,273	3,273	1,000	206,953	0	1.5	30.4	94.1
54	Doherty Operating Co.....	2	0	1,750	1,750	1,000	208,703	0	0.8	30.4	94.9
46	Municipal stations.....	7	0	2,533	2,533	1,000	211,236	0	1.1	30.4	96.0
	All other stations.....	33	2,289	6,522	8,811	3,289	220,047	69.6	4.0	100.0	100.0
	Total.....	60	3,289	216,758	220,047			100.0	100.0		
	Central stations and electric railways, 1912.....		3,223	199,645	202,868						

**MASSACHUSETTS.**

20	Edison Electric Illuminating Co.....	3	0	140,850	140,850	0	140,850	0	17.5	0	17.5
170	Boston Elevated Ry. Co.....	6	0	126,300	126,300	0	267,150	0	15.7	0	33.2
195	Massachusetts Electric Companies.....	13	0	57,575	57,575	0	324,725	0	7.2	0	40.4
63	New England Investment Co.....	7	0	53,830	53,830	0	378,555	0	6.7	0	47.1
70	New England Power Co. of Maine.....	4	49,400	0	49,400	49,400	427,955	32.2	6.1	32.2	53.2
107	Turners Falls Power & Electric Co.....	2	36,900	0	36,900	86,300	464,855	24.0	4.6	56.2	57.8
100	C. H. Tenney & Co.....	7	681	29,688	30,369	86,981	495,224	.4	3.8	56.6	61.6
115	Worcester Electric Light Co.....	2	0	21,330	21,330	86,981	516,554	0	2.7	56.6	64.3
92	Stone & Webster.....	7	0	20,630	20,630	86,981	537,184	0	2.6	56.6	66.9
110	United Electric Light Co.....	3	4,500	15,000	19,500	91,481	556,684	2.9	2.4	59.5	69.3
37	Ludlow Manufacturing Association.....	3	9,900	8,200	18,100	101,381	574,784	6.5	2.2	66.0	71.5
23	Fall River Electric Co.....	1	0	17,330	17,330	101,381	592,114	0	2.2	66.0	73.7
212	New York, New Haven & Hartford R. R. Co.....	2	0	15,225	15,225	101,381	607,339	0	1.9	66.0	75.6
61	New Bedford Gas & Electric Co.....	1	0	13,330	13,330	101,381	620,669	0	1.7	66.0	77.3
219	Proprietors of locks and canals.....	1	11,262	0	11,262	112,643	631,931	7.3	1.4	73.3	78.7
167	Bliss Fabyan Co.....	3	5,194	5,850	11,044	117,837	642,975	3.4	1.4	76.7	80.1
76	C. D. Parker & Co. (Inc.).....	8	1,650	8,735	10,385	119,487	653,360	1.1	1.3	77.8	81.4
11	Cambridge Electric Light Co.....	1	0	8,670	8,670	119,487	662,030	0	1.1	77.8	82.5
45	Massachusetts Lighting Companies.....	11	0	8,485	8,485	119,487	670,515	0	1.0	77.8	83.5
117	Municipal stations.....	33	1,270	32,533	33,823	120,757	704,338	.8	4.2	78.6	87.7
	All other stations.....	108	32,928	65,725	98,653	153,685	802,991	21.4	12.3	100.0	100.0
	Total.....	226	a 153,685	a 649,306	a 802,991			100.0	100.0		
	Central stations and electric railways, 1912.....		26,189	597,387	623,576						

**MICHIGAN.**

132	The North American Co.....	12	5,133	176,572	181,705	5,133	181,705	2.4	30.2	2.4	30.2
33	Commonwealth Power, Railway & Light Co.....	38	70,813	66,610	137,423	75,946	319,128	33.2	22.8	35.6	53.0
290	Detroit United Rys.....	9	0	46,986	46,986	75,946	366,111	0	7.8	35.6	60.8
174	Union Carbide Co.....	1	30,800	0	30,800	106,746	396,914	14.4	5.1	50.0	65.9
103	Indiana & Michigan Electric Co.....	2	9,400	0	9,400	116,146	406,314	4.4	1.6	54.4	67.5
29	Cleveland Cliffs Iron Co.....	3	8,000	0	8,000	124,146	414,314	3.8	1.3	58.2	68.8
301	Ostego Water Power Co.....	1	3,000	5,000	8,000	127,146	422,314	1.4	1.3	59.6	70.1
287	Cambria Steel Co.....	2	5,000	2,000	7,000	132,146	429,314	2.4	1.2	62.0	71.3
118	Menominee & Marinette Light & Traction Co.....	2	5,700	1,100	6,800	137,846	436,114	2.7	1.1	64.7	72.4
120	Michigan Power Co.....	2	2,000	4,670	6,670	139,846	442,784	.9	1.1	65.6	73.5
150	Peninsular Power Co.....	2	5,250	833	6,083	145,096	448,867	2.5	1.0	68.1	74.5
165, 302	Stone & Webster.....	2	0	5,750	5,750	145,096	454,617	0	.9	68.1	75.4
79	Escanaba Traction Co.....	3	4,520	700	5,220	149,616	459,837	2.1	.9	70.2	76.3
303	Victoria Copper Mining Co.....	1	4,000	0	4,000	153,616	463,837	1.9	.7	72.1	77.0
144	Oak Park Power Co.....	1	0	4,600	4,600	153,616	467,837	0	.7	72.1	77.7
108	Ironwood & Bessemer Railway & Light Co.....	1	2,600	1,300	3,900	156,216	471,737	1.2	.6	73.3	78.3
289	Carnegie Steel Co.....	1	3,850	0	3,850	160,066	475,587	1.8	.6	75.1	78.9
122	Middle West Utilities Co.....	4	2,286	320	3,606	162,352	479,193	1.1	.6	76.2	79.5
183	Municipal stations.....	104	10,972	42,179	53,151	173,324	532,344	5.1	8.8	81.3	88.3
	All other stations.....	112	39,787	30,531	70,318	213,111	602,662	18.7	11.7	100.0	100.0
	Total.....	303	b 213,111	b 389,551	b 602,662			100.0	100.0		
	Central stations and electric railways, 1912.....		134,454	311,008	445,462						

a Totals include 32,348 water horsepower and 9,597 steam horsepower; total, 41,945 horsepower used in manufactures.

b Totals contain 15,850 water horsepower and 7,000 steam horsepower; total, 22,850 horsepower used in manufactures.



TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT—Continued.

## MINNESOTA.

Reference Nos.	Name of company.	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
96	Twin City Rapid Transit Co.....	3	0	66,700	66,700	0	66,700	0	17.0	0	17.0
68	Northwestern Power Co.....	2	57,000	4,670	61,670	57,000	128,370	24.9	15.7	24.9	32.7
10	H. M. Byllesby & Co.....	10	43,450	18,500	61,950	100,450	190,320	18.9	15.8	43.8	48.5
81	Pillsbury-Washburn Flour Mills Co.....	2	57,500	0	57,500	157,950	247,820	25.1	14.6	68.9	63.1
254	Minnesota & Ontario Power Co.....	1	12,500	10,000	22,500	170,450	270,320	5.4	5.8	74.3	68.9
1	American Light & Traction Co.....	1	7,800	9,000	16,800	178,250	287,120	3.5	4.3	77.8	73.2
258	Northwest Paper Co.....	3	8,527	0	8,527	186,777	295,647	3.7	2.1	81.5	75.3
32	Crookston Waterworks, Power & Light Co.....	1	4,000	1,600	5,600	190,777	301,247	1.7	1.5	83.2	76.8
242	Itaska Paper Co.....	1	3,500	950	4,450	194,277	305,697	1.5	1.1	84.7	77.9
33	Cuyuna Range Power Co.....	3	3,200	1,150	4,350	197,477	310,047	1.4	1.1	86.1	79.0
74	Otter Tail Power Co.....	6	3,080	1,015	4,095	200,577	314,142	1.4	1.1	87.5	80.1
87	Public Service Co. of St. Cloud.....	1	3,000	1,000	4,000	203,557	318,142	1.3	1.0	88.8	81.1
105	Municipal stations.....	115	1,399	22,199	23,598	204,956	341,740	0.6	6.0	89.4	87.1
	All other stations.....	139	24,302	26,439	50,741	229,258	392,481	10.6	12.9	100.0	100.0
	Total.....	288	<sup>a</sup> 229,258	<sup>a</sup> 163,223	<sup>a</sup> 392,481			100.0	100.0		
	Central stations and electric railways, 1912.....		102,172	159,522	261,694						

## MISSISSIPPI.

14	Gulfport & Mississippi Coast Traction Co.....	1	None.	6,000	6,000	None.	6,000	None.	14.1	None.	14.1
11	Doherty Operating Co.....	2	None.	5,295	5,295	None.	11,295	None.	12.5	None.	26.6
2	American Public Utilities Co.....	1	None.	4,000	4,000	None.	15,295	None.	9.4	None.	36.0
17	Laurel Light & Railway Co.....	1	None.	2,120	2,120	None.	17,415	None.	5.0	None.	41.0
10	Delta Light & Traction Co.....	1	None.	1,730	1,730	None.	19,145	None.	4.1	None.	45.1
33	Vicksburg Light & Traction Co.....	1	None.	1,650	1,650	None.	20,795	None.	3.9	None.	49.0
20	McComb City Electric Light & Traction Co.....	1	None.	1,400	1,400	None.	22,195	None.	3.3	None.	52.3
32	United Public Utilities Co.....	1	None.	1,100	1,100	None.	23,295	None.	2.6	None.	54.9
7	Columbia Railway, Light & Power Co.....	1	None.	1,000	1,000	None.	24,295	None.	2.3	None.	57.2
5	Capital Light & Power Co.....	1	None.	800	800	None.	25,095	None.	1.9	None.	59.1
37	Municipal stations.....	42	None.	10,623	10,623	None.	35,718	None.	25.0	None.	84.1
	All other stations.....	25	None.	6,785	6,785	None.	42,503	None.	15.9	None.	100.0
	Total.....	78	None.	42,503	42,503	None.		None.	100.0	None.	
	Central stations and electric railways, 1912.....		None.	40,347	40,347						

## MISSOURI.

103, 203	North American Co.....	9	0	131,450	131,450	0	131,450	0	40.2	0	40.2
26	Doherty Operating Co.....	6	20,400	49,838	70,238	20,400	201,688	98.7	21.5	98.7	61.7
54	Kansas City Railway & Light Co.....	1	0	53,300	53,300	20,400	254,988	0	16.3	98.7	78.0
62	The Laclede Gas Light Co.....	1	0	10,000	10,000	20,400	264,988	0	3.1	98.7	81.1
69	Light & Development Co. of St. Louis.....	7	0	4,810	4,810	20,400	269,798	0	1.5	98.7	82.6
39	Federal Light & Traction Co.....	1	0	4,040	4,040	20,400	273,838	0	1.2	98.7	83.8
208	Southern Missouri Railway Co.....	1	0	3,000	3,000	20,400	276,838	0	.9	98.7	84.7
89	Middle West Utilities Co.....	7	0	2,805	2,805	20,400	279,643	0	.8	98.7	85.5
201	Joplin & Pittsburg Railway Co.....	1	0	2,550	2,550	20,400	282,193	0	.8	98.7	86.3
135	Municipal stations.....	65	0	19,501	19,501	20,400	301,694	0	6.0	98.7	92.3
	All other stations.....	109	270	25,106	25,376	20,670	327,070	1.3	7.7	100.0	100.0
	Total.....	208	20,670	306,400	327,070			100.0	100.0		
	Central stations and electric railways, 1912.....		1,902	306,133	308,035						

## MONTANA.

23	Montana Power Co.....	19	179,700	8,300	188,000	179,700	188,000	88.6	79.8	88.6	79.8
1, 57	Amalgamated Copper Co.....	3	11,830	9,000	20,830	191,530	208,830	5.8	8.9	94.4	88.7
8	Clark-Missoula Power Co.....	1	3,200	1,067	4,267	194,730	213,097	1.6	1.8	96.0	90.5
5	H. M. Byllesby & Co.....	2	2,820	250	3,070	197,550	216,167	1.4	1.3	97.4	91.8
55	Municipal stations.....	2	0	1,005	1,005	197,550	217,172	0	.4	97.4	92.2
	All other stations.....	38	5,345	13,071	18,416	202,895	235,588	2.6	7.8	100.0	100.0
	Total.....	65	202,895	32,693	235,588			100.0	100.0		
	Central stations and electric railways, 1912.....		103,655	13,575	117,230						

## NEBRASKA.

86	Omaha Electric Light & Power Co.....	1	0	24,000	24,000	0	24,000	0	24.3	0	24.3
196	Omaha & Council Bluffs Street Railway Co.....	1	0	23,375	23,375	0	47,375	0	23.7	0	48.0
75	Lincoln Traction Co.....	1	0	5,100	5,100	0	52,475	0	5.2	0	53.2
35	Doherty Operating Co.....	2	0	2,700	2,700	0	55,175	0	2.7	0	55.9
70	Kearney Water & Electric Power Co.....	1	1,350	1,350	2,700	1,350	57,875	12.5	2.7	12.5	58.6
21	Continental Gas & Electric Corporation.....	6	0	2,595	2,595	1,350	60,470	0	2.6	12.5	61.2
111	Union Company of Omaha.....	1	0	1,450	1,450	1,350	61,920	0	1.5	12.5	62.7
11	Blue River Power Co.....	1	700	600	1,300	2,050	63,220	6.5	1.3	19.0	64.0
49	Grand Island Electric Co.....	1	0	1,033	1,033	2,050	64,253	0	1.1	19.0	65.1
48	Gothenburg Light & Power Co.....	1	500	400	900	2,550	65,153	4.6	.9	23.6	66.0
121	Municipal stations.....	73	5,050	14,414	19,464	7,600	84,617	46.8	19.7	70.4	85.7
	All other stations.....	107	3,199	10,902	14,101	10,799	98,718	29.6	14.3	100.0	100.0
	Total.....	196	10,799	87,919	98,718			100.0	100.0		
	Central stations and electric railways, 1912.....		5,884	65,409	71,293						

<sup>a</sup> These totals include 39,364 water horsepower and 14,867 steam horsepower; total, 54,231 horsepower, used in manufactures.



**TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT—Continued.****NEVADA.**

Reference Nos.	Name of company.	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
10	Stone & Webster.....	3	9,800	0	9,800	9,800	9,800	73.6	37.1	73.6	37.1
19	Utah Copper Co.....	1	0	9,775	9,775	9,800	19,575	0	37.0	73.6	74.1
14	United States Reclamation Service.....	1	2,490	0	2,490	12,290	22,065	18.7	9.4	92.3	83.5
5	Ely Light & Power Co.....	2	160	1,400	1,560	12,450	23,625	1.2	5.9	93.5	89.4
4	Elko Lamoille Power Co.....	2	415	300	715	12,865	24,340	3.1	2.7	96.6	92.1
17	Municipal stations.....	1	0	0	0	12,865	24,340	0	0	96.6	92.1
	All other stations.....	9	455	1,644	2,099	13,320	26,439	3.4	7.9	100.0	100.0
	Total.....	19	13,320	13,119	26,439			100.0	100.0		
	Central stations and electric railways, 1912.....		12,540	2,880	15,420						

**NEW HAMPSHIRE.**

70	Berlin Mills Co.....	2	31,700	0	31,700	31,700	31,700	29.2	21.2	29.2	21.2
4	Amoskeag Manufacturing Co.....	1	22,445	0	22,445	54,145	54,145	20.7	15.0	49.9	36.2
73	International Paper Co.....	2	15,300	2,350	17,650	69,445	71,795	14.1	11.8	64.0	48.0
40	Manchester Traction, Light & Power Co.....	2	5,990	6,000	11,990	75,345	83,695	5.4	8.0	69.4	56.0
49	New Hampshire Electric Rys. Co.....	1	0	10,670	10,670	75,345	94,365	0	7.1	69.4	63.1
76	Pacific Mills.....	2	1,500	5,060	6,560	76,845	100,925	1.4	4.4	70.8	67.5
27	J. E. Henry & Sons Co.....	1	1,800	2,800	4,600	78,645	105,525	1.7	3.1	72.5	70.6
75	Nashua Manufacturing Co.....	1	4,500	0	4,500	83,145	110,025	4.1	3.0	76.6	73.6
45	Middle West Utilities Co.....	2	1,600	2,000	3,600	84,745	113,625	1.5	2.4	78.1	76.0
9	Boston & Maine R. R. Co.....	3	2,190	1,050	3,240	86,935	116,865	2.0	2.2	80.1	78.2
15	Concord Electric Co.....	1	2,000	1,000	3,000	88,935	119,865	1.8	2.0	81.9	80.2
72	Great Falls Manufacturing Co.....	1	3,000	0	3,000	91,935	122,865	2.8	2.0	84.7	82.2
78	Suncook Mills.....	1	3,000	0	3,000	94,935	125,865	2.8	2.0	87.5	84.2
6	W. S. Barstow & Co. (Inc.).....	1	600	1,900	2,500	95,535	128,365	.6	1.7	88.1	85.9
68	Municipal stations.....	2	600	545	1,145	96,135	129,510	.6	.8	88.7	86.7
	All other stations.....	55	12,280	7,645	19,925	108,415	149,435	11.3	13.3	100.0	100.0
	Total.....	78	<sup>a</sup> 108,415	<sup>a</sup> 41,020	<sup>a</sup> 149,435			100.0	100.0		
	Central stations and electric railways, 1912.....		59,119	29,211	88,330						

**NEW JERSEY.**

47	Public Service Corporation of New Jersey.....	16	0	232,905	232,905	0	232,905	0	68.6	0	68.6
1	American Gas & Electric Co.....	2	0	17,675	17,675	0	250,580	0	5.2	0	73.8
44	Pennsylvania Railroad Co.....	1	0	10,670	10,670	0	261,250	0	3.1	0	76.9
38	New Jersey General Security Co.....	3	7,200	0	7,200	7,200	268,450	72.4	2.1	72.4	79.0
30	Jersey Central Traction Co.....	1	0	6,400	6,400	7,200	274,850	0	1.9	72.4	80.9
9	W. S. Barstow & Co. (Inc.).....	4	1,500	3,630	5,130	8,700	279,980	15.1	1.5	87.5	82.4
2	American Light & Traction Co.....	1	0	3,950	3,950	8,700	283,930	0	1.2	87.5	83.6
4	American Rys. Co.....	1	0	2,725	2,725	8,700	286,655	0	.8	87.5	84.4
20	Commonwealth Water & Light Co.....	2	100	2,450	2,550	8,800	289,205	1.0	.7	88.5	85.1
66	Sayreville Electric Light & Power Co.....	1	0	2,500	2,500	8,800	291,705	0	.7	88.5	85.8
82	Municipal stations.....	10	112	2,885	2,997	8,912	294,702	1.1	.9	89.6	86.7
	All other stations.....	60	1,035	43,845	44,880	9,947	339,582	10.4	13.3	100.0	100.0
	Total.....	102	9,947	329,635	339,582			100.0	100.0		
	Central stations and electric railways, 1912.....		1,569	267,043	268,612						

**NEW MEXICO.**

6	Federal Light & Traction Co.....	3	0	5,158	5,158	0	5,158	0	37.1	0	37.1
18	Roswell Gas & Electric Co.....	1	0	1,650	1,650	0	6,808	0	11.9	0	49.0
19	Santa Fe Water & Electric Co.....	1	102	445	547	102	7,355	18.5	4.0	18.5	53.0
20	Silver City Power Co.....	1	0	460	460	102	7,815	0	3.3	18.5	56.3
17	Raton Electric Light & Power Co.....	1	0	425	425	102	8,240	0	3.1	18.5	59.4
16	Public Utilities Co.....	1	350	0	350	452	8,590	63.4	2.5	81.9	61.9
14	Peoples Light & Power Co.....	1	0	350	350	452	8,940	0	2.5	81.9	64.4
25	Tucumcari Light & Power Co.....	1	0	350	350	452	9,290	0	2.5	81.9	66.9
26,27	United States Reclamation Service and municipal stations.....	4	0	3,185	3,185	452	12,475	0	22.9	81.9	89.8
	All other stations.....	16	100	1,322	1,422	552	13,897	18.1	10.2	100.0	100.0
	Total.....	30	552	13,345	13,897			100.0	100.0		
	Central stations and electric railways, 1912.....		817	10,198	11,015						

<sup>a</sup> Totals include 59,000 water horsepower and 7,410 steam horsepower, total 66,410 horsepower, used in manufacturing.

TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT—Continued.

## NEW YORK.

Reference Nos.	Name of company.	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
28	Consolidated Gas Co. of New York.....	8	0	481,895	481,895	0	481,895	0	21.2	0	21.2
388	Interborough Metropolitan Co.....	2	0	246,500	246,500	0	246,500	0	10.8	0	32.0
371	Brooklyn Rapid Transit Co.....	5	0	198,025	198,025	0	198,025	0	8.7	0	40.7
66	Hydraulic Power Co. of Niagara Falls.....	3	153,000	0	153,000	153,000	1,079,420	19.1	6.7	19.1	47.4
102	The Niagara Falls Power Co.....	2	115,000	0	115,000	268,000	1,194,420	14.4	5.1	33.5	52.5
97,408	New York Central & Hudson River R. R. Co.....	4	22,325	70,800	93,125	290,325	1,287,545	2.8	4.1	36.3	56.6
391	International Paper Co.....	10	75,180	17,025	92,205	365,505	1,379,750	9.4	4.1	45.7	60.7
411	Pennsylvania R. R. Co.....	1	0	74,700	74,700	365,505	1,454,450	0	3.3	45.7	64.0
72	Kings County Electric Light & Power Co.....	3	0	74,670	74,670	365,505	1,529,120	0	3.3	45.7	67.3
145	Stone & Webster.....	4	45,800	9,000	54,800	411,305	1,583,920	5.7	2.4	51.4	69.7
5	Aluminum Co. of America.....	2	40,000	0	40,000	451,305	1,623,920	5.0	1.8	56.4	71.5
104	Niagara, Lockport & Ontario Power Co.....	1	40,000	0	40,000	491,305	1,663,920	5.0	1.8	61.4	73.3
53	General Electric Co.....	3	31,000	0	31,000	522,305	1,694,920	3.9	1.4	65.3	74.7
25	Cohoes Co.....	1	30,000	0	30,000	552,305	1,724,920	3.7	1.3	69.0	76.0
387	Hudson & Manhattan R. R. Co.....	1	0	24,000	24,000	552,305	1,748,920	0	1.1	69.0	77.1
164	Utica Gas & Electric Co.....	5	11,800	11,000	22,800	564,105	1,771,720	1.5	1.0	70.5	78.1
418	St. Regis Paper Co.....	5	19,800	2,590	22,390	583,905	1,794,110	2.5	1.0	73.0	79.1
158	United Gas & Electric Corporation of Connecticut.....	2	500	18,440	18,940	584,405	1,813,050	.1	.8	73.1	79.9
432	West Virginia Pulp & Paper Co.....	1	9,550	8,800	18,350	593,955	1,831,400	1.2	.8	74.3	80.7
160	United Gas Improvement Co.....	3	350	15,720	16,070	594,305	1,847,470	0	.7	74.3	81.4
319	Municipal stations.....	48	3,155	10,721	13,876	597,460	1,861,346	.4	.6	74.7	82.0
	All other stations.....	335	202,070	207,464	409,534	799,530	2,270,880	25.3	18.0	100.0	100.0
	Total.....	449	a 799,530	a 1,471,350	a 2,270,880	.....	.....	100.0	100.0	.....	.....
	Central stations and electric railways, 1912.....	.....	530,921	1,282,608	1,813,529	.....	.....	.....	.....	.....	.....

## NORTH CAROLINA.

61	Southern Power Co.....	4	30,000	38,010	68,010	30,000	68,010	30.3	37.6	30.3	37.6
8	Carolina Power & Light Co.....	9	44,400	7,725	52,125	74,400	120,135	44.8	28.9	75.1	66.5
46	North Carolina Electrical Power Co.....	3	7,530	0	7,530	81,930	127,665	7.6	4.2	82.7	70.7
66	Southern Public Utilities Co.....	2	2,100	3,350	5,450	84,030	133,115	2.1	3.0	84.8	73.7
71	Tidewater Power Co.....	1	0	5,000	5,000	84,030	138,115	0	2.8	84.8	76.5
53	J. A. Roper Lumber Co.....	3	0	4,300	4,300	84,030	142,415	0	2.4	84.8	78.9
131	Roanoke Rapids Power Co.....	1	4,100	0	4,100	88,130	146,515	4.1	2.3	88.9	81.2
127	Erwin Cotton Mills Co.....	1	2,037	1,240	3,277	90,167	149,792	2.1	1.8	91.0	83.0
51	Piedmont Railway & Electric Co.....	1	0	2,500	2,500	90,167	152,292	0	1.4	91.0	84.4
49	North Carolina Public Service Co.....	2	0	2,480	2,480	90,167	154,772	0	1.4	91.0	85.8
24	Doherty Operating Co.....	1	0	2,200	2,200	90,167	156,972	0	1.2	91.0	87.0
35	Haywood Electric Power Co.....	1	1,950	0	1,950	92,117	158,922	2.0	1.1	93.0	88.1
69	Spencer Mountain Mills.....	1	1,000	0	1,000	93,117	159,922	1.0	.5	94.0	88.6
28	Electric Light Co. of Elizabeth City.....	1	0	1,000	1,000	93,117	160,922	0	.5	94.0	89.1
77	Municipal stations.....	49	1,035	8,923	9,958	94,152	170,880	1.0	5.5	95.0	94.6
	All other stations.....	51	4,953	4,793	9,746	99,105	180,626	5.0	5.4	100.0	100.0
	Total.....	131	b 99,105	b 81,521	b 180,626	.....	.....	100.0	100.0	.....	.....
	Central stations and electric railways, 1912.....	.....	60,151	33,562	93,713	.....	.....	.....	.....	.....	.....

## NORTH DAKOTA.

2	H. M. Byllesby & Co.....	3	0	6,950	6,950	0	6,950	0	36.7	0	36.7
18	Hughes Electric Co.....	1	0	1,200	1,200	0	8,150	0	6.3	0	43.0
32	Otter Tail Power Co.....	2	0	600	600	0	8,750	0	3.2	0	46.2
37,44	United States Reclamation Service and municipal stations.....	12	0	4,212	4,212	0	12,962	0	22.3	0	68.5
	All other stations.....	62	80	5,883	5,963	80	18,925	100.0	31.5	100.0	100.0
	Total.....	80	80	18,845	18,925	.....	.....	100.0	100.0	.....	.....
	Central stations and electric railways, 1912.....	.....	0	16,249	16,249	.....	.....	.....	.....	.....	.....

a Totals contain 181,238 water horsepower and 34,026 steam horsepower, total 215,264 horsepower, used in manufactures.

b These totals contain 6,887 water horsepower and 1,365 steam horsepower, total 8,252 horsepower, used in manufacturing.



**TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT—Continued.****OHIO.**

Reference Nos.	Name of company.	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
47	Central States Electric Corporation.....	1	0	135,700	135,700	0	135,700	0	18.1	0	18.1
387	Ohio Traction Co.....	6	0	65,611	65,611	0	201,311	0	8.7	0	26.8
88	Doherty Operating Co.....	11	1,700	63,735	65,435	1,700	266,746	8.5	8.7	8.5	35.5
62	Columbia Gas & Electric Co.....	1	0	38,930	38,930	1,700	305,676	0	5.2	8.5	40.7
68	Columbus Railway, Power & Light Co.....	6	0	34,670	34,670	1,700	340,346	0	4.6	8.5	45.3
182	Northern Ohio Traction & Light Co.....	2	2,270	31,000	33,270	3,970	373,616	11.4	4.4	19.9	49.7
184	Ohio Electric Ry. Co.....	6	700	27,800	28,500	4,670	402,116	3.5	3.8	23.4	53.5
37	Cleveland Ry. Co.....	2	0	27,100	27,100	4,670	429,216	0	3.6	23.4	57.1
4	American Gas & Electric Co.....	11	0	25,405	25,405	4,670	454,621	0	3.4	23.4	60.5
78	Dayton Power & Light Co.....	6	100	20,120	20,220	4,770	474,841	.5	2.7	23.9	63.2
203	Republic Railway & Light Co.....	2	0	16,330	16,330	4,770	491,171	0	2.2	23.9	65.4
58	Cleveland, Southwestern & Columbus Ry. Co.....	3	0	14,750	14,750	4,770	505,921	0	2.0	23.9	67.4
103	East Liverpool Traction & Light Co.....	3	330	14,100	14,430	5,100	520,351	1.6	1.9	25.5	69.3
238	United Service Co.....	5	1,630	10,190	11,820	6,730	532,171	8.2	1.6	33.7	70.9
249	Western Ohio R. R. Co.....	1	0	11,330	11,330	6,730	543,501	0	1.5	33.7	72.4
147	Lake Shore Electric Ry. Co.....	1	0	11,000	11,000	6,730	554,501	0	1.5	33.7	73.9
64	Columbus, Delaware & Marion Ry. Co.....	4	0	9,660	9,660	6,730	564,161	0	1.3	33.7	75.2
28	W. S. Barstow & Co.....	3	0	6,890	6,890	6,730	571,051	0	.9	33.7	76.1
24	Auglaize Power Co.....	1	6,666	0	6,666	13,396	577,717	33.4	.9	67.1	77.0
74	Commonwealth Power, Railway & Light Co.....	1	0	6,000	6,000	13,396	583,717	0	.8	67.1	77.8
260	Municipal stations.....	114	175	55,759	55,934	13,571	639,651	.9	7.5	68.0	85.3
	All other stations.....	205	6,377	103,709	110,086	19,948	749,737	32.0	14.7	100.0	100.0
	Total.....	395	19,948	729,789	749,737			100.0	100.0		
	Central stations and electric railways, 1912.....		10,690	659,657	670,347						

**OKLAHOMA.**

9	H. M. Byllesby & Co.....	5	0	17,215	17,215	0	17,215	0	24.4	0	24.4
48	Middle West Utilities Co.....	7	1,200	9,490	10,690	1,200	27,905	68.2	15.2	68.2	39.6
138	Oklahoma Railway Co.....	1	0	5,980	5,980	1,200	33,885	0	8.5	68.2	48.1
3	American Public Service Co.....	2	0	2,125	2,125	1,200	36,010	0	3.0	68.2	51.1
18	Choctaw Railway & Lighting Co.....	1	0	1,650	1,650	1,200	37,660	0	2.3	68.2	53.4
64	Southwestern Cities Electric Co.....	3	0	1,560	1,560	1,200	39,220	0	2.2	68.2	55.6
6	Ardmore Ice, Light & Power Co.....	1	0	1,525	1,525	1,200	40,745	0	2.2	68.2	57.8
63	Shawnee Gas & Electric Co.....	1	0	1,450	1,450	1,200	42,195	0	2.1	68.2	59.9
24	Doherty Operating Co.....	1	0	1,420	1,420	1,200	43,615	0	2.0	68.2	61.9
75	Municipal stations.....	61	358	11,428	11,786	1,558	55,401	20.4	16.7	88.6	78.6
	All other stations.....	56	200	14,908	15,108	1,758	70,509	11.4	21.4	100.0	100.0
	Total.....	139	1,758	68,751	70,509			100.0	100.0		
	Central stations and electric railways, 1912.....		2,135	61,462	63,597						

**OREGON.**

53	E. W. Clark & Co. Mortgage Corporation.....	11	80,000	35,875	115,875	80,000	115,875	51.0	52.3	51.0	52.3
94	Crown-Willamette Paper Co.....	3	26,124	3,500	29,624	106,124	145,499	16.7	13.4	67.7	65.7
14	California-Oregon Power Co.....	5	11,100	0	11,100	117,224	156,599	7.1	5.0	74.8	70.7
1	American Power & Light Co.....	5	9,090	1,650	10,740	126,314	167,339	5.8	4.8	80.6	75.5
9	H. M. Byllesby & Co.....	6	520	6,227	6,747	128,834	174,086	.3	3.0	80.9	78.5
49	National Securities Corporation.....	1	5,000	0	5,000	131,834	179,086	3.2	2.3	84.1	80.8
31	Eastern Oregon Light & Power Co.....	5	3,700	0	3,700	135,534	182,786	2.3	1.7	86.4	82.5
81	Municipal stations.....	12	4,646	242	4,888	140,180	187,674	3.0	2.2	89.4	84.7
	All other stations.....	53	16,583	17,447	34,030	156,763	221,704	10.6	15.3	100.0	100.0
	Total.....	101	156,763	64,941	221,704			100.0	100.0		
	Central stations and electric railways, 1912.....		105,302	50,163	155,465						

**PENNSYLVANIA.**

88	The Philadelphia Co.....	10	0	161,508	161,508	0	161,508	0	16.2	0	16.2
85	Pennsylvania Water & Power Co.....	2	118,000	0	118,000	118,000	279,508	70.0	11.9	70.0	28.1
305	Philadelphia Rapid Transit Co.....	5	0	105,730	105,730	118,000	385,238	0	10.6	70.0	38.7
60	Lehigh Coal & Navigation Co.....	4	5,367	70,500	75,867	123,367	461,105	3.2	7.6	73.2	46.3
8	American Water Works & Electric Co.....	11	0	49,545	49,545	123,367	510,650	0	5.0	73.2	51.3
19	W. S. Barstow & Co (Inc.).....	10	2,400	46,800	49,200	125,767	559,850	1.4	5.0	74.6	56.3
6	American Gas & Electric Co.....	1	0	35,800	35,800	125,767	595,650	0	3.6	74.6	59.9
116	United Gas & Electric Corporation of Connecticut.....	3	0	22,950	22,950	125,767	618,600	0	2.3	74.6	62.2
134	York Haven Water & Power Co.....	1	20,000	0	20,000	145,767	638,600	11.9	2.0	86.5	64.2
64	Lehigh Valley Transit Co.....	3	0	18,330	18,330	145,767	656,930	0	1.8	86.5	66.0
75	Penn Central Light & Power Co.....	6	2,000	16,220	18,220	147,767	675,150	1.2	1.8	87.7	67.8
126	H. D. Walbridge & Co.....	2	250	14,250	14,500	148,017	689,650	.2	1.5	87.9	69.3
98	Philadelphia Electric Co.....	2	0	13,920	13,920	148,017	703,570	0	1.4	87.9	70.7
49	Erie County Electric Co.....	1	0	11,770	11,770	148,017	715,340	0	1.2	87.9	71.9
1	American Gas Co.....	5	500	10,800	11,300	148,517	726,640	.3	1.1	88.2	73.0
259	Municipal stations.....	41	538	15,549	16,087	149,055	742,727	.3	1.6	88.5	74.6
	All other stations.....	243	19,478	232,856	252,334	168,533	995,061	11.5	25.4	100.0	100.0
	Total.....	350	168,533	826,528	995,061			100.0	100.0		
	Central stations and electric railways, 1912.....		133,018	775,861	908,879						



TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT—Continued.

## RHODE ISLAND.

Reference Nos.	Name of company.	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
6	New York, New Haven & Hartford R. R. Co.....	1	0	46,000	46,000	0	46,000	0	48.5	0	48.5
3	Narragansett Electric Lighting Co.....	3	0	28,260	28,260	0	74,260	0	29.8	0	78.3
1	Massachusetts Lighting Cos.....	2	0	9,800	9,800	0	84,060	0	10.4	0	88.7
7	Stone & Webster.....	3	2,485	6,650	9,135	2,485	93,195	100.0	9.6	100.0	98.3
12	Municipal stations.....	1	0	0	0	2,485	93,195	0	0	100.0	98.3
	All other stations.....	2	0	1,625	1,625	2,485	94,820	0	1.7	100.0	100.0
	Total.....	12	2,485	92,335	94,820			100.0	100.0		
	Central stations and electric railways, 1912.....		2,440	92,909	95,349						

## SOUTH CAROLINA.

34	Southern Power Co.....	5	127,850	9,000	136,850	127,850	136,850	56.3	50.0	56.3	50.0
12	Columbia Railway, Gas & Electric Co.....	2	26,000	7,330	33,330	153,850	170,180	11.5	12.2	67.8	62.2
39	Southern Public Utilities Co.....	5	16,300	1,850	18,150	170,150	188,330	7.2	6.6	75.0	68.8
32	South Carolina Light, Power & Railways Co.....	2	12,000	4,000	16,000	182,150	204,330	5.3	5.9	80.3	74.7
74	Pelzer Manufacturing Co.....	1	6,500	4,500	11,000	188,650	215,330	2.9	4.0	83.2	78.7
45	Union Manufacturing & Power Co.....	1	8,000	0	8,000	196,650	223,330	3.5	2.9	86.7	81.6
46	United Gas Improvement Co.....	1	0	6,670	6,670	196,650	230,000	0	2.4	86.7	84.0
48	Ware Shoals Manufacturing Co.....	1	5,000	0	5,000	201,650	235,000	2.2	1.8	88.9	85.8
75	Tucapau Mills.....	1	5,000	0	5,000	206,650	240,000	2.2	1.8	91.1	97.6
1	Belton Power Co.....	1	4,650	0	4,650	211,300	244,650	2.0	1.7	93.1	89.3
72	Lockhart Mills.....	1	2,800	0	2,800	214,100	247,450	1.2	1.0	94.3	90.3
73	Pacolet Manufacturing Co.....	1	2,800	0	2,800	216,900	250,250	1.2	1.0	95.5	91.3
70	Clifton Manufacturing Co.....	1	2,000	750	2,750	218,900	253,000	.9	1.0	96.4	92.3
49	Municipal stations.....	21	0	4,625	4,625	218,900	257,625	0	1.7	96.4	94.0
	All other stations.....	22	8,112	8,300	16,412	227,012	274,037	3.6	6.0	100.0	100.0
	Total.....	76	a 227,012	a 47,025	a 274,037			100.0	100.0		
	Central stations and electric railways, 1912.....		178,555	52,051	230,606						

## SOUTH DAKOTA.

40	Homestake Mining Co.....	2	6,225	175	6,400	6,225	6,400	47.8	13.5	47.8	13.5
8	H. M. Bylesby & Co.....	3	2,065	3,740	5,805	8,290	12,205	15.8	12.2	63.6	25.7
17	Consolidated Power & Light Co. of South Dakota.....	2	1,000	4,670	5,670	9,290	17,875	7.7	11.9	71.3	37.6
20	Dakota Power Co.....	2	2,550	530	3,080	11,840	20,955	19.6	6.5	90.9	44.1
78	Municipal stations.....	17	0	2,356	2,356	11,840	23,311	0	5.0	90.9	49.1
	All other stations.....	70	1,213	22,963	24,176	13,053	47,487	9.1	50.9	100.0	100.0
	Total.....	96	13,053	34,434	47,487			100.0	100.0		
	Central stations and electric railways, 1912.....		6,913	20,835	27,748						

## TENNESSEE.

10	E. W. Clark & Co. Mortgage Corporation.....	5	45,000	30,000	75,000	45,000	75,000	46.0	40.1	46.0	40.1
9	Chattanooga & Tennessee River Power Co.....	1	42,000	0	42,000	87,000	117,000	42.9	22.4	88.9	62.5
58,90	United Gas & Electric Corporation of Connecticut.....	2	0	22,970	22,970	87,000	139,970	0	12.3	88.9	74.8
40	Memphis Consolidated Gas & Electric Co.....	1	0	11,500	11,500	87,000	151,470	0	6.1	88.9	80.9
41	Merchants Power Co.....	1	0	7,330	7,330	87,000	158,800	0	3.9	88.9	84.8
56	Tennessee Eastern Electric Co.....	2	5,000	2,270	7,270	92,000	166,070	5.1	3.9	94.0	88.7
22	Doherty Operating Co.....	2	3,200	800	4,000	95,200	170,070	3.3	2.1	97.3	90.8
47	Public Light & Power Co.....	4	980	1,250	2,230	96,180	172,300	1.0	1.2	98.3	92.0
31	Jackson Railway & Light Co.....	1	0	1,670	1,670	96,180	173,970	0	.9	98.3	92.9
61	Municipal stations.....	29	300	6,646	6,946	96,480	180,916	.3	3.7	98.6	96.6
	All other stations.....	42	1,355	5,014	6,369	97,835	187,285	1.4	3.4	100.0	100.0
	Total.....	90	97,835	89,450	187,285			100.0	100.0		
	Central stations and electric railways, 1912.....		27,750	94,611	122,361						

## TEXAS.

208	Stone & Webster.....	11	0	71,793	71,793	0	71,793	0	32.1	0	32.1
5	American Power & Light Co.....	19	0	46,775	46,775	0	118,568	0	20.9	0	53.0
232	United Gas & Electric Corporation.....	1	0	15,500	15,500	0	134,068	0	6.9	0	59.9
4	American Light & Traction Co.....	1	0	12,278	12,278	0	146,346	0	5.5	0	65.4
73	Doherty Operating Co.....	5	0	6,290	6,290	0	152,636	0	2.8	0	68.2
24	American Public Service Co.....	7	0	4,220	4,220	0	156,856	0	1.9	0	70.1
222	Texas Southern Electric Co.....	5	1,800	1,552	3,352	1,800	160,208	26.6	1.5	26.6	71.6
247	Yellow Pine Paper Mills Co.....	1	0	3,000	3,000	1,800	163,208	0	1.3	26.6	72.9
70	Dallas Ice Factory, Light & Power Co.....	1	0	2,350	2,350	1,800	165,558	0	1.1	26.6	74.0
138	The Laredo Electric Ry. Co.....	1	0	1,900	1,900	1,800	167,458	0	.9	26.6	74.9
268	Austin Street Ry. Co.....	1	0	1,750	1,750	1,800	169,208	0	.8	26.6	75.7
61	Colorado River Power Co.....	1	1,650	0	1,650	3,450	170,858	24.3	.7	50.9	76.4
57	Citizens Electric Light & Power Co.....	1	1,190	250	1,440	4,640	172,298	17.6	.6	68.5	77.0
1,248	State and municipal stations.....	21	225	8,249	8,474	4,865	180,772	3.3	3.8	71.8	80.8
	All other stations.....	198	1,912	40,949	42,861	6,777	223,633	28.2	19.2	100.0	100.0
	Total.....	274	6,777	216,856	223,633			100.0	100.0		
	Central stations and electric railways, 1912.....		3,503	164,185	167,688						

a Totals contain 20,400 water horsepower and 5,950 steam horsepower, total 26,350 horsepower, used in manufactures.



**TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT—Continued.****UTAH.**

Reference Nos.	Name of company.	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
22	Utah Securities Corporation.....	25	79,565	28,594	108,159	79,565	108,159	82.2	84.3	82.2	84.3
1	Beaver River Power Co.....	1	2,500	0	2,500	82,065	110,659	2.6	2.0	84.8	86.3
11	L. L. Nunn.....	4	1,550	420	1,970	83,615	112,629	1.6	1.5	86.4	87.8
49	Municipal stations.....	22	7,151	650	7,801	90,766	120,430	7.4	6.0	93.8	93.8
	All other stations.....	24	5,968	1,950	7,918	96,734	128,348	6.2	6.2	100.0	100.0
	Total.....	76	96,734	31,614	128,348			100.0	100.0		
	Central stations and electric railways, 1912.....		74,688	27,186	101,874						

**VERMONT.**

41	New England Power Co. of Maine.....	3	31,300	700	32,000	31,300	32,000	26.5	21.9	26.5	21.9
96	International Paper Co.....	3	16,600	1,925	18,525	47,900	50,525	14.1	12.7	40.6	34.6
57	C. H. Tenney & Co.....	7	8,964	8,370	17,334	56,864	67,859	7.6	11.9	48.2	46.5
2	American Gas Co.....	2	13,000	1,330	14,330	69,864	82,189	11.0	9.8	59.2	56.3
6	W. S. Barstow & Co. (Inc.).....	8	8,975	4,625	13,600	78,839	95,789	7.6	9.3	66.8	65.6
66	Vermont Marble Co.....	6	8,700	1,700	10,400	87,539	106,189	7.4	7.1	74.2	72.7
99	Missisquoi Pulp Co.....	1	4,400	200	4,600	91,939	110,789	3.7	3.2	77.9	75.9
37	Middle West Utilities Co.....	3	1,988	2,020	4,008	93,927	114,797	1.7	2.8	79.6	78.7
93	American Woolen Co.....	1	2,844	0	2,844	96,771	117,641	2.4	2.0	82.0	80.7
4	American Pipe & Construction Co.....	1	2,250	530	2,780	99,021	120,421	1.9	1.9	83.9	82.6
76	Woodbury Granite Co.....	3	1,250	1,330	2,580	100,271	123,001	1.1	1.8	85.0	84.4
94	Dalton Paper Mills.....	1	2,103	0	2,103	102,374	125,104	1.8	1.4	86.8	85.8
46	Newport Electric Light Co.....	1	1,600	300	1,900	103,974	127,004	1.4	1.3	88.2	87.1
95	Green Mountain Pulp Co.....	1	1,700	0	1,700	105,674	128,704	1.4	1.2	89.6	88.3
33	Lyman Falls Power Co.....	1	1,336	0	1,336	107,010	130,040	1.1	.9	90.7	89.2
80	Municipal stations.....	13	4,910	1,830	6,740	111,920	136,780	4.2	4.6	94.9	93.8
	All other stations.....	47	5,969	3,105	9,074	117,889	145,854	5.1	6.2	100.0	100.0
	Total.....	102	<sup>a</sup> 117,889	<sup>a</sup> 27,965	<sup>a</sup> 145,854			100.0	100.0		
	Central stations and electric railways, 1912.....		39,927	18,091	58,018						

**VIRGINIA.**

55	Virginia Railway & Power Co.....	4	19,000	46,420	65,420	19,000	65,420	20.2	31.4	20.2	31.4
7	H. M. Byllesby & Co.....	3	20,900	7,500	28,400	39,900	93,820	22.1	13.6	42.3	45.0
86	Riverside & Dan River Cotton Mills.....	2	13,270	11,500	24,770	53,170	118,590	14.1	11.9	56.4	56.9
2	American Railways Co.....	4	7,650	9,500	17,150	60,820	135,740	8.1	8.2	64.5	65.1
35	Newport News & Hampton Railway, Gas & Electric Co.....	2	0	8,280	8,280	60,820	144,020	0	4.0	64.5	69.1
59	Virginia Western Power Co.....	5	3,750	2,525	6,275	64,570	150,295	4.0	3.0	68.5	72.1
29	Municipal Service Co.....	4	1,900	3,555	5,455	66,470	155,750	2.0	2.6	70.5	74.7
49	Spotsylvania Power Co.....	1	4,500	0	4,500	70,970	160,250	4.8	2.2	75.3	76.9
86	The Warren-Burnham Co.....	1	0	4,000	4,000	70,970	164,250	0	1.9	75.3	78.8
83	The Bedford Pulp & Paper Co.....	1	3,400	0	3,400	74,370	167,650	3.6	1.6	78.9	80.4
89	The Washington & Old Dominion R. R. Co.....	1	0	3,300	3,300	74,370	170,950	0	1.6	78.9	82.0
37	Norfolk Southern R. R. Co.....	1	0	3,000	3,000	74,370	173,950	0	1.5	78.9	83.5
10	Charlottesville & Albemarle Ry. Co.....	1	0	2,300	2,300	74,370	176,250	0	1.1	78.9	84.6
18	Emporia Hydro-Electric Power Co.....	1	1,500	0	1,500	75,870	177,750	1.6	.7	80.5	85.3
68	Municipal stations.....	15	6,124	6,278	12,402	81,994	190,152	6.5	6.0	87.0	91.3
	All other stations.....	44	12,235	5,959	18,194	94,229	208,346	13.0	8.7	100.0	100.0
	Total.....	90	<sup>b</sup> 94,229	<sup>b</sup> 114,117	<sup>b</sup> 208,346			100.0	100.0		
	Central stations and electric railways, 1912.....		66,399	94,090	160,489						

**WASHINGTON.**

62	Stone & Webster.....	11	85,300	38,160	123,460	85,300	123,460	25.8	29.1	25.8	29.1
83	Washington Water Power Co.....	4	92,900	16,000	108,900	178,200	232,360	28.0	25.6	53.8	54.7
59	Spokane & Inland Emp. R. R. Co.....	1	20,000	0	20,000	198,200	252,360	6.0	4.7	59.8	59.4
1	American Power & Light Co.....	11	13,888	5,936	19,824	212,088	272,184	4.2	4.7	64.0	64.1
46	Northwestern Electric Co.....	1	18,000	0	18,000	230,088	290,184	5.4	4.2	69.4	68.3
53	Olympic Power Co.....	1	9,600	0	9,600	239,688	299,784	2.9	2.3	72.3	70.6
114	Great Northern Railroad Co.....	1	8,500	0	8,500	248,188	308,284	2.6	2.0	74.9	72.6
38	Lewiston-Clarkston Improvement Co.....	1	3,300	2,330	5,630	251,488	313,914	1.0	1.3	75.9	73.9
89	Wenatchee Valley Gas & Electric Co.....	3	4,800	0	4,800	256,288	318,714	1.5	1.1	77.4	75.0
30	Inland Portland Cement Co.....	1	4,000	0	4,000	260,288	322,714	1.2	1.0	78.6	76.0
25	Federal Light & Traction Co.....	1	0	3,500	3,500	260,288	326,214	.0	.8	78.6	76.8
81	Washington-Oregon Corporation.....	2	970	2,000	2,970	261,258	329,184	.3	.7	78.9	77.5
98	Municipal stations.....	12	54,510	13,450	67,960	315,768	397,144	16.5	16.0	95.4	93.5
	All other stations.....	66	15,366	12,344	27,710	331,134	424,854	4.6	6.5	100.0	100.0
	Total.....	116	331,134	93,720	424,854			100.0	100.0		
	Central stations and electric railways, 1912.....		269,641	72,060	341,701						

<sup>a</sup> Totals include 28,016 water horsepower and 2,125 steam horsepower, total 30,141 horsepower, used in manufactures.<sup>b</sup> Totals include 17,830 water horsepower and 15,500 steam horsepower, total 33,330 horsepower, used in manufactures.



**TABLE 54.—CONCENTRATION OF POWER DEVELOPMENT IN THE SEVERAL STATES SHOWING AMOUNTS OF WATER POWER, STEAM AND GAS POWER, AND OF TOTAL POWER CONTROLLED BY CERTAIN CORPORATIONS AND BY MUNICIPALITIES, IN HORSEPOWER AND IN PER CENT—Continued.****WEST VIRGINIA.**

Reference Nos.	Name of company.	Individual totals.				Cumulative totals.		Individual percentages.		Cumulative percentages.	
		Number of stations.	Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
53	Virginian Power Co.....	1	0	20,000	20,000	0	20,000	0	14.4	0	14.4
26	General Utilities Operating Co.....	1	0	13,300	13,300	0	33,300	0	9.6	0	24.0
1	American Gas & Electric Co.....	2	0	12,500	12,500	0	45,800	0	9.0	0	33.0
74	Union Carbide Co.....	2	11,750	0	11,750	11,750	57,550	49.4	8.4	49.4	41.4
7	W. S. Barstow & Co. (Inc.).....	4	0	11,000	11,000	11,750	68,550	0	7.9	49.4	49.3
5	American Water Works & Electric Co. (Inc.).....	2	0	9,192	9,192	11,750	77,742	0	6.6	49.4	55.9
46	Northern Virginia Power Co.....	2	4,750	2,833	7,583	16,500	85,325	20.0	5.4	69.4	61.3
3	American Rys. Co.....	1	0	6,670	6,670	16,500	91,995	0	4.8	69.4	66.1
14	H. M. Byllesby & Co.....	2	0	6,050	6,050	16,500	98,045	0	4.3	69.4	70.4
68	Consolidated Coal Co. (Inc.).....	1	0	6,000	6,000	16,500	104,045	0	4.3	69.4	74.7
35	Martinsburg Power Co.....	1	2,250	2,000	4,250	18,750	108,295	9.4	3.0	78.8	77.7
38	Monongahela Valley Traction Co.....	1	0	4,000	4,000	18,750	112,295	0	2.9	78.8	80.6
70	Harpers Ferry Paper Co.....	1	2,400	0	2,400	21,150	114,695	10.1	1.7	88.9	82.3
73	Shenandoah Pulp Co.....	1	2,000	0	2,000	23,150	116,695	8.4	1.4	97.3	83.7
31	Kanawha Traction & Electric Co.....	1	0	2,000	2,000	23,150	118,695	0	1.4	97.3	85.1
61	Municipal stations.....	6	0	1,755	1,755	23,150	120,450	0	1.3	97.3	86.4
	All other stations.....	47	637	18,313	18,950	23,787	139,400	2.7	13.6	100.0	100.0
	Total.....	76	23,787	115,613	139,400	-----	-----	100.0	100.0	-----	-----
	Central stations and electric railways, 1912.....	-----	6,036	62,889	68,925	-----	-----	-----	-----	-----	-----

**WISCONSIN.**

124	North American Co.....	9	450	112,355	112,805	450	112,805	0.2	25.5	0.2	25.5
35	H. M. Byllesby & Co.....	2	26,800	0	26,800	27,250	139,605	11.5	6.1	11.7	31.6
197	Wisconsin River Power Co.....	1	25,000	0	25,000	52,250	164,605	10.7	5.6	22.4	37.2
9	American Public Utilities Co.....	6	13,350	3,695	17,045	65,600	181,650	5.7	3.8	28.1	41.0
47, 296	Consolidated Water Power & Paper Co.....	2	16,500	300	16,800	82,100	198,450	7.1	3.8	35.2	44.8
300	Kimberley-Clark Co.....	6	13,450	0	13,450	95,550	211,900	5.8	3.0	41.0	47.8
7	American Light & Traction Co.....	2	5,600	6,356	11,956	101,150	223,856	2.4	2.7	43.4	50.5
167	Southern Wisconsin Power Co.....	1	11,000	0	11,000	112,150	234,856	4.7	2.5	48.1	53.0
114	Nokoosa-Port Edwards Paper Co.....	3	10,700	80	10,780	122,850	245,636	4.6	2.4	52.7	55.4
198	Wisconsin Securities Co.....	2	8,000	2,470	10,470	130,850	256,106	3.4	2.4	56.1	57.8
196	Wisconsin Railway, Light & Power Co.....	1	8,000	0	8,000	138,850	264,106	3.4	1.8	59.5	59.6
200	Wisconsin Traction, Light, Heat & Power Co.....	1	2,550	5,330	7,880	141,400	271,986	1.1	1.8	60.6	61.4
68	Green Bay & Mississippi Canal Co.....	1	6,100	900	7,000	147,500	278,986	2.6	1.6	63.2	63.0
295	Combined Locks Paper Co.....	1	6,100	900	7,000	153,600	285,986	2.6	1.6	65.8	64.6
98	Menasha Woodware Co.....	2	5,600	1,400	7,000	159,200	292,986	2.4	1.6	68.2	66.2
43	Commonwealth Power Co.....	1	0	6,500	6,500	159,200	299,486	0	1.5	68.2	67.7
321	Warsaw Paper Mills Co.....	1	4,756	600	5,356	163,956	304,842	2.0	1.2	70.2	68.9
323	Wisconsin River Pulp & Paper Co.....	1	5,300	0	5,300	169,256	310,142	2.3	1.2	72.5	70.1
309	Marathon Paper Mills Co.....	1	5,000	0	5,000	174,256	315,142	2.1	1.1	74.6	71.2
202	Municipal stations.....	85	3,143	15,034	18,177	177,399	333,319	1.4	4.1	76.0	75.3
	All other stations.....	195	56,170	53,207	109,377	233,569	442,696	24.0	24.7	100.0	100.0
	Total.....	324	a 233,569	a 209,127	a 442,696	-----	-----	100.0	100.0	-----	-----
	Central stations and electric railways, 1912.....	-----	94,284	177,779	272,063	-----	-----	-----	-----	-----	-----

**WYOMING.**

23	Union Pacific Coal Co.....	3	0	3,900	3,900	0	3,900	0	22.3	0	22.3
7	Federal Light & Traction Co.....	2	0	3,825	3,825	0	7,725	0	21.9	0	44.2
27	Western Light & Power Co.....	1	0	1,565	1,565	0	9,290	0	9.0	0	53.2
19	Penn-Wyoming Copper Co.....	1	500	670	1,170	500	10,460	19.7	6.7	19.7	59.9
4	Cambria Fuel Co. of Wyoming.....	2	0	770	770	500	11,230	0	4.4	19.7	64.3
15	Intermountain Railway, Light & Power Co.....	1	0	700	700	500	11,930	0	4.0	19.7	68.3
18	Natrona County Electric Co.....	1	0	650	650	500	12,580	0	3.7	19.7	72.0
14	Hot Springs Light & Power Co.....	1	400	200	600	900	13,180	15.7	3.4	35.4	75.4
22	Shoshone Electric Light & Power Co.....	1	400	0	400	1,300	13,580	15.7	2.3	51.1	77.7
10, 29	United States Army and municipal stations.....	5	864	371	1,235	2,164	14,815	34.0	7.1	85.1	84.8
	All other stations.....	16	380	2,285	2,665	2,544	17,480	14.9	15.2	100.0	100.0
	Total.....	34	2,544	14,936	17,480	-----	-----	100.0	100.0	-----	-----
	Central stations and electric railways, 1912.....	-----	1,334	10,262	11,596	-----	-----	-----	-----	-----	-----

<sup>a</sup> Totals contain 74,496 water horsepower and 8,360 steam horsepower, total 82,856 horsepower, used in manufactures.



## UNITED STATES.

No.	Name of company.	Number of States.	Number of stations.	Individual totals.			Cumulative totals.		Individual percentages.		Cumulative percentages.	
				Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
1	Stone & Webster.....	13	62	340,211	189,643	529,854	340,211	529,854	6.39	3.57	6.39	3.57
2	Commonwealth Edison Co. (Illinois).....	1	4	0	511,150	511,150	340,211	1,041,004	0	3.44	6.39	7.01
3	Consolidated Gas Co. (New York).....	1	8	0	481,895	481,895	340,211	1,522,899	0	3.25	6.39	10.26
4	North American Co.....	3	30	5,583	420,377	425,960	345,794	1,948,859	.11	2.87	6.50	13.13
5	H. M. Byllesby & Co.....	17	53	116,155	160,341	276,496	461,949	2,225,355	2.18	1.86	8.68	14.99
6	E. W. Clark & Co., Mortgage Corporation..	4	36	162,330	103,365	265,695	624,279	2,491,050	3.05	1.79	11.73	16.78
7	Pacific Gas & Electric Co. (California).....	1	13	152,080	108,540	260,620	776,359	2,751,670	2.86	1.75	14.59	18.53
8	Interborough Metropolitan Co. (New York)...	1	2	0	246,500	246,500	776,359	2,998,170	0	1.67	14.59	20.20
9	Public Service Corporation of New Jersey..	1	16	0	232,905	232,905	776,359	3,231,075	0	1.56	14.59	21.76
10	Doherty Operating Co.....	14	43	43,100	180,401	223,501	819,459	3,454,576	.81	1.51	15.40	23.27
11	Southern Power Co. (South Carolina, North Carolina).....	2	9	157,850	47,010	204,860	977,309	3,659,436	2.96	1.38	18.36	24.65
12	Utah Securities Corporation.....	3	43	171,702	30,374	202,076	1,149,011	3,861,512	3.23	1.36	21.59	26.01
13	Brooklyn Rapid Transit Co. (New York)...	1	5	0	198,025	198,025	1,149,011	4,059,537	0	1.33	21.59	27.34
14	Pacific Light & Power Corporation (California).....	1	13	117,950	79,300	197,250	1,266,961	4,256,787	2.22	1.33	23.81	28.67
15	Montana Power Co.....	1	19	179,700	8,300	188,000	1,446,661	4,444,787	3.37	1.27	27.18	29.94
16	International Paper Co.....	5	23	156,830	29,945	186,775	1,603,491	4,631,562	2.95	1.26	30.13	31.20
17	United Gas & Electric Corporation of Connecticut.....	9	17	5,250	181,110	186,360	1,608,741	4,817,922	.10	1.25	30.23	32.45
18	Commonwealth Power, Railway & Light Co.....	4	47	70,813	112,160	182,973	1,679,554	5,000,895	1.33	1.24	31.56	33.69
19	The Philadelphia Co. (Pennsylvania).....	1	10	0	161,508	161,508	1,679,554	5,162,403	0	1.08	31.56	34.77
20	Hydraulic Power Co. of Niagara Falls.....	1	3	153,000	0	153,009	1,832,554	5,315,403	2.88	1.03	34.44	35.80
21	Edison Electric Illuminating Co. (Massachusetts).....	1	3	0	140,850	140,850	1,832,554	5,456,253	0	.95	34.44	36.75
22	Central States Electric Corporation (Ohio)...	1	1	0	135,700	135,700	1,832,554	5,591,953	0	.92	34.44	37.67
23	Southern California Edison Co.....	1	11	56,400	79,120	135,520	1,888,954	5,727,473	1.06	.91	35.50	38.58
24	Georgia Railway & Power Co.....	1	7	100,400	33,720	134,120	1,989,354	5,861,593	1.88	.90	37.38	39.48
25	Boston Electric Railways Co. (Massachusetts).....	1	6	0	126,300	126,300	1,989,354	5,987,893	0	.85	37.38	40.33
26	Washington Water Power Co.....	2	5	109,200	16,000	125,200	2,098,554	6,113,093	2.05	.85	39.43	41.18
27	Pennsylvania Water & Power Co.....	1	2	118,000	0	118,000	2,216,554	6,231,093	2.22	.79	41.65	41.97
28	The Niagara Falls Power Co. (New York)...	1	2	115,000	0	115,000	2,331,554	6,346,093	2.16	.77	43.81	42.74
29	Western Power Co. (California).....	1	4	73,330	38,670	112,000	2,404,884	6,458,093	1.38	.76	45.19	43.50
30	American Gas & Electric Co.....	5	20	0	109,970	109,970	2,404,884	6,568,063	0	.74	45.19	44.24
31	Philadelphia Rapid Transit Co.....	1	5	0	105,730	105,730	2,404,884	6,673,793	0	.71	45.19	44.95
32	New York, New Haven & Hartford R. R. Co.....	3	16	8,050	96,500	104,550	2,412,934	6,778,343	.15	.71	45.34	45.66
33	W. S. Barstow & Co. (Inc.).....	7	32	13,475	82,545	96,020	2,426,409	6,874,363	.25	.64	45.59	46.30
34	New York Central & Hudson River R. R. Co.....	1	4	22,325	70,800	93,125	2,448,734	6,967,488	.42	.63	46.01	46.93
35	American Power & Light Co.....	4	40	22,978	69,221	92,199	2,471,712	7,059,687	.44	.62	46.45	47.55
36	Alabama Traction, Light & Power Co.....	1	7	72,500	18,920	91,420	2,544,212	7,151,107	1.36	.62	47.81	48.17
37	United Railways Investment Co. (California).....	1	5	65,600	25,330	90,930	2,609,812	7,242,037	1.23	.61	49.04	48.78
38	Middle West Utilities Co.....	9	118	16,824	69,890	86,714	2,626,636	7,328,751	.32	.58	49.36	49.36
39	Pennsylvania R. R. Co.....	2	2	0	85,370	85,370	2,626,636	7,414,121	0	.58	49.36	49.94
40	New England Power Co. of Maine.....	2	7	80,700	700	81,400	2,707,336	7,495,521	1.51	.55	50.87	50.49
41	Lehigh Coal & Navigation Co. (Pennsylvania).....	1	4	5,367	70,500	75,867	2,712,703	7,571,388	.10	.51	50.97	51.00
42	Kings County Electric Light & Power Co. (New York).....	1	3	0	74,670	74,670	2,712,703	7,646,058	0	.50	50.97	51.50
43	San Joaquin Light & Power Corporation (California).....	1	8	40,150	28,950	69,100	2,752,853	7,715,158	.76	.47	51.73	51.97
44	Twin City Rapid Transit Co. (Minnesota)...	1	1	0	66,700	66,700	2,752,853	7,781,858	0	.45	51.73	52.42
45	Ohio Traction Co.....	1	6	0	65,611	65,611	2,752,853	7,847,469	0	.44	51.73	52.86
46	Virginia Railway & Power Co.....	1	4	19,000	46,420	65,420	2,771,853	7,912,889	.36	.44	52.09	53.30
47	Illinois Traction Co.....	3	36	4,415	59,026	63,441	2,776,268	7,976,330	.08	.43	52.17	53.73
48	United Railways & Electric Co. of Baltimore.....	1	4	0	61,875	61,875	2,776,268	8,038,205	0	.42	52.17	54.15
49	Northwestern Power Co (Minnesota).....	1	2	57,000	4,670	61,670	2,833,268	8,099,875	1.07	.42	53.24	54.57
50	C. H. Tenney & Co.....	4	18	10,730	50,728	61,458	2,843,998	8,161,333	.20	.41	53.44	54.98
51	Public Service Co. of Northern Illinois.....	1	13	5,300	55,930	61,230	2,849,298	8,222,563	.10	.41	53.54	55.39
52	American Water Works & Electric Co.....	3	14	0	59,097	59,097	2,849,298	8,281,660	0	.40	53.54	55.79
53	Consolidated Gas Electric Light & Power Co. (Maryland).....	1	7	1,000	56,710	57,710	2,850,298	8,339,370	.02	.39	53.56	56.18
54	Massachusetts Electric Cos.....	1	13	0	57,575	57,575	2,850,298	8,396,945	0	.38	53.56	56.56
55	Pillsbury-Washburn Flour Mills Co. (Minnesota).....	1	2	57,500	0	57,500	2,907,798	8,454,445	1.08	.38	54.64	56.94
56	Washington Railway & Electric Co. (District of Columbia).....	1	1	0	53,800	53,800	2,907,798	8,508,245	0	.37	54.64	57.31
57	Kansas City Railway & Light Co. (Missouri)...	1	1	0	53,300	53,300	2,907,798	8,561,545	0	.36	54.64	57.67
58	Carolina Power & Light Co. (North Carolina).....	1	9	44,400	7,725	52,125	2,952,198	8,613,670	.83	.35	55.47	58.02
59	American Gas Co.....	5	17	15,525	36,350	51,875	2,967,723	8,665,545	.30	.35	55.77	58.37
60	United Light & Railways Co.....	2	7	500	50,025	50,525	2,968,223	8,716,070	.01	.34	55.78	58.71
61	New England Investment Co. (Massachusetts).....	1	4	49,400	0	49,400	3,017,623	8,765,470	.92	.33	56.70	59.04
62	Nevada-California Power Co. (California)...	1	7	37,750	10,670	48,420	3,055,373	8,813,890	.71	.33	57.41	59.37
63	Detroit United Railways.....	1	9	0	46,986	46,986	3,055,373	8,860,876	0	.32	57.41	59.69
64	Colorado Power Co.....	1	7	41,750	4,870	46,620	3,097,123	8,907,496	.79	.31	58.20	60.00
65	J. G. White & Co.....	4	17	20,880	25,599	46,479	3,118,003	8,953,975	.39	.31	58.59	60.31
66	American Public Utilities Co.....	3	9	13,350	31,895	45,245	3,131,353	8,999,220	.25	.31	58.84	60.62
67	American Light & Traction Co.....	4	5	13,400	31,584	44,984	3,144,753	9,044,204	.25	.30	59.09	60.92
68	Louisville Traction Co.....	1	2	0	44,130	44,130	3,144,753	9,088,334	0	.30	59.09	61.22
69	United Gas Improvement Co.....	4	9	350	43,641	43,991	3,145,103	9,132,325	.01	.29	59.10	61.51
70	Chattanooga & Tennessee Railway Power Co. (Tennessee).....	1	1	42,000	0	42,000	3,187,103	9,174,325	.79	.28	59.89	61.79
71	National Securities Corporation.....	2	4	39,350	2,000	41,350	3,226,453	9,215,675	.74	.28	60.63	62.07
72	Indianapolis Light & Heat Co.....	1	1	0	40,900	40,900	3,226,453	9,256,575	0	.28	60.63	62.35
73	Niagara, Lockport & Ontario Power Co. (New York).....	1	1	40,000	0	40,000	3,266,453	9,296,575	.75	.27	61.38	62.62
74	Aluminum Co. of America (New York).....	1	2	40,000	0	40,000	3,306,453	9,336,575	.75	.27	62.13	62.89
75	Columbia Gas & Electric Co. (Ohio).....	1	1	0	38,930	38,930	3,306,453	9,375,505	0	.26	62.13	63.15
76	Georgia Light, Power & Railway Co.....	1	3	33,000	4,750	37,750	3,339,453	9,413,255	.62	.26	62.75	63.41
77	Turners Falls Power Co. (Massachusetts)...	1	2	36,900	0	36,900	3,376,353	9,450,155	.70	.24	63.45	63.65
78	Pacific Lighting Corporation (California)...	1	1	0	34,202	34,202	3,376,353	9,484,357	0	.23	63.45	63.88
79	Columbia Railway, Gas & Electric Co. (South Carolina).....	1	2	26,000	7,330	33,330	3,402,353	9,517,687	.48	.23	63.93	64.11
80	Northern Ohio Traction & Light Co.....	1	2	2,270	31,000	33,270	3,404,623	9,550,957	.05	.22	63.98	64.35

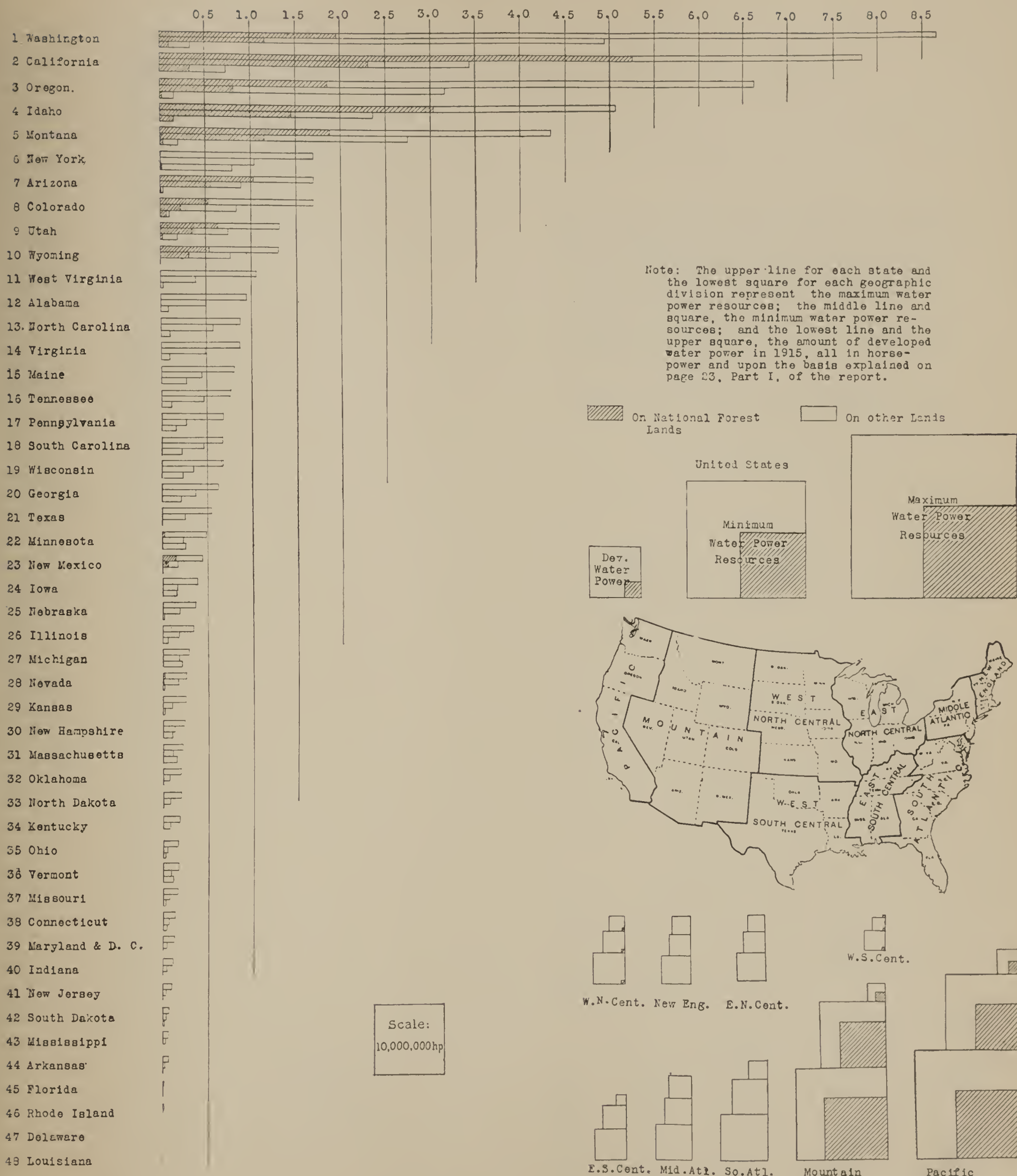
UNITED STATES—Continued.

No.	Name of company.	Num- ber of States.	Num- ber of sta- tions.	Individual totals.			Cumulative totals.		Individual percentages.		Cumulative percentages.	
				Water power.	Steam and gas power.	All power.	Water power.	All power.	Water power.	All power.	Water power.	All power.
81	United Properties Co. (California).....	1	6	0	33,025	33,025	3,404,623	9,583,982	0	0.22	63.98	64.55
82	Federal Light & Traction Co.....	7	12	0	32,373	32,373	3,404,623	9,616,355	0	.22	63.98	64.77
83	Fort Wayne & Northern Indiana Traction Co.....	1	3	0	32,160	32,160	3,404,623	9,648,515	0	.22	63.98	64.99
84	United Illuminating Co. (Connecticut)....	1	2	0	31,200	31,200	3,404,623	9,679,715	0	.21	63.98	65.20
85	General Electric Co. (New York).....	1	3	31,000	0	31,000	3,435,623	9,710,715	.58	.21	64.56	65.41
86	Union Carbide Co. (Michigan).....	1	1	30,800	0	30,800	3,466,423	9,741,515	.58	.20	65.14	65.61
87	Cohoes Co. (New York).....	1	1	30,000	0	30,000	3,496,423	9,771,515	.56	.19	65.70	65.80
	Total for 87 corporations.....	48	1,040	3,496,423	6,275,092	9,771,515	3,496,423	9,771,515	65.70	65.80	65.70	65.80
	Municipal stations.....	48	1,600	231,525	496,984	728,509	3,727,948	10,500,024	4.35	4.93	70.05	70.73
	All other stations.....	48	4,299	1,593,751	2,752,367	4,346,118	5,321,699	14,846,142	29.95	29.27	100.00	100.00
	Grand totals.....		6,939	5,321,699	9,524,443	14,846,142						
	Total manufacturing power included.....			736,197	172,210	908,407						
	Central stations and electric railways, 1915.....			4,585,502	9,352,233	13,937,735						
	Central stations and electric railways, 1912.....			2,942,388	8,251,311	11,193,699						
	Increase 1912 to 1915.....			1,643,114	1,100,922	2,744,036						
	Per cent of increase.....			35.8	11.8	19.7						

NOTE.—All but two of the corporations listed hereon, the International Paper Co. (16) and the Union Carbide Co. (86), are engaged in public-service operations, or own or control power which is used for such purposes. The Pillsbury-Washburn Flour Mills Company (55) leases a part of its water power to the Twin City Rapid Transit Company (44).



Together with Amounts Upon National Forests  
By States and by Geographic Divisions  
In Million of Horsepower







Steam Power, Water Power, and Gas Power  
By States and by Geographic Divisions  
In Millions of Horse-Power

0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0

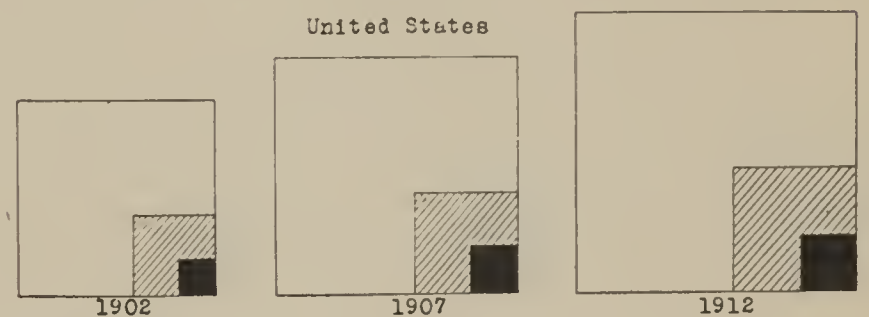
- 1 Pennsylvania
- 2 New York
- 3 Ohio
- 4 Illinois
- 5 Massachusetts
- 6 California
- 7 Michigan
- 8 Indiana
- 9 New Jersey
- 10 Wisconsin
- 11 Washington
- 12 Missouri
- 13 Maine
- 14 Connecticut
- 15 Minnesota
- 16 Texas
- 17 South Carolina
- 18 Virginia
- 19 Georgia
- 20 North Carolina
- 21 Alabama
- 22 Louisiana
- 23 Maryland and D.C.
- 24 New Hampshire
- 25 Tennessee
- 26 Kansas
- 27 Oregon
- 28 Kentucky
- 29 Colorado
- 30 Rhode Island
- 31 West Virginia
- 32 Mississippi
- 33 Iowa
- 34 Arkansas
- 35 Vermont
- 36 Montana
- 37 Florida
- 38 Oklahoma
- 39 Utah
- 40 Nebraska
- 41 Idaho
- 42 Delaware
- 43 Arizona
- 44 South Dakota
- 45 North Dakota
- 46 New Mexico
- 47 Nevada
- 48 Wyoming

Note: Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.

The term "Steam Power" includes steam engines and steam turbines; "Water Power", water wheels, turbines, and motors; and "Gas Power", internal combustion engines using either gas or oil fuel.

The upper line for each State represents horse-power in 1912, the middle line 1907, the lower line 1902. Similarly for the Geographic Divisions, the lower square represents horse-power in 1912, the middle square 1907, and the upper square 1902.

Steam Power Water Power Gas Power

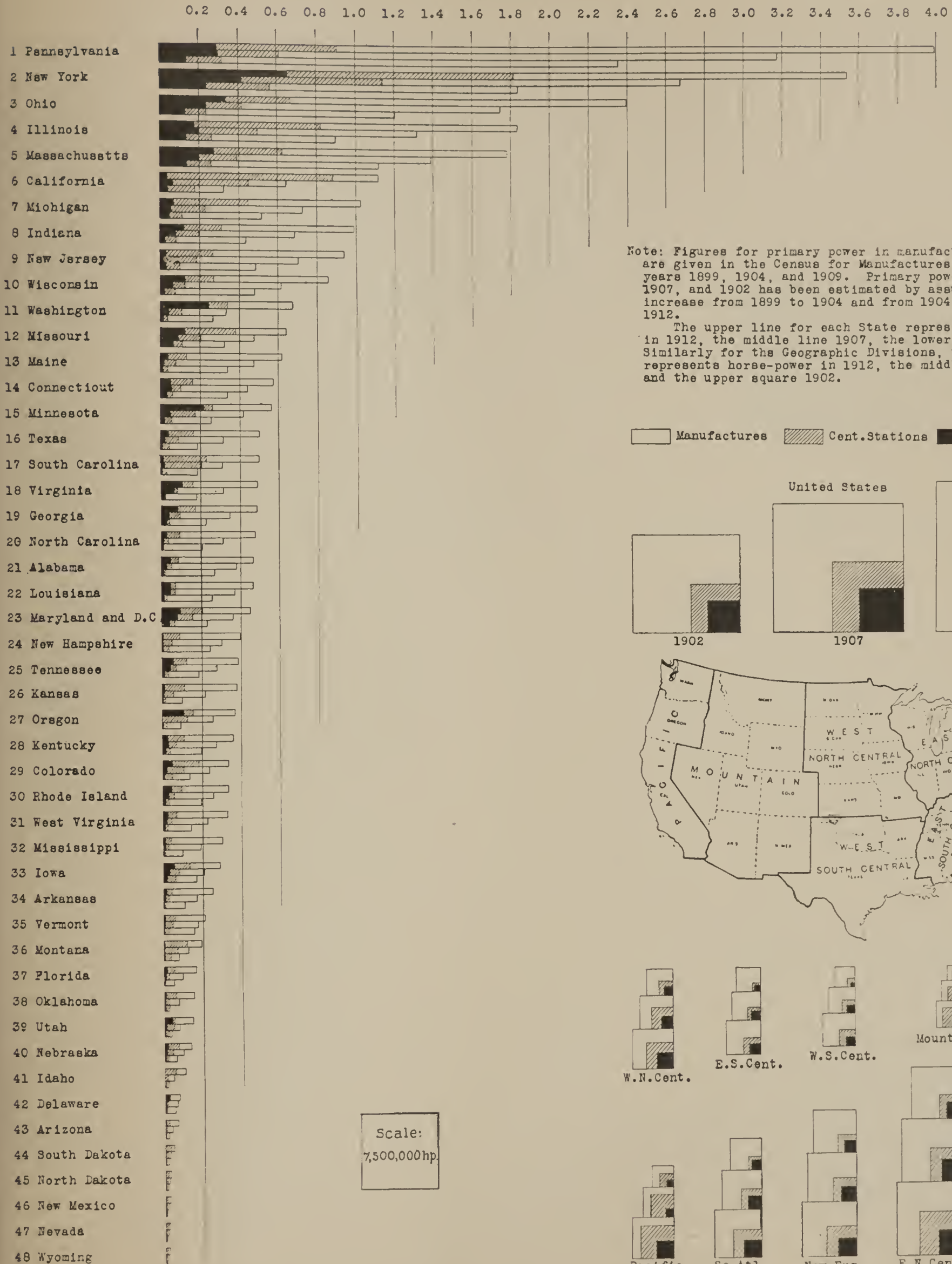


Scale:  
7,500,000hp.





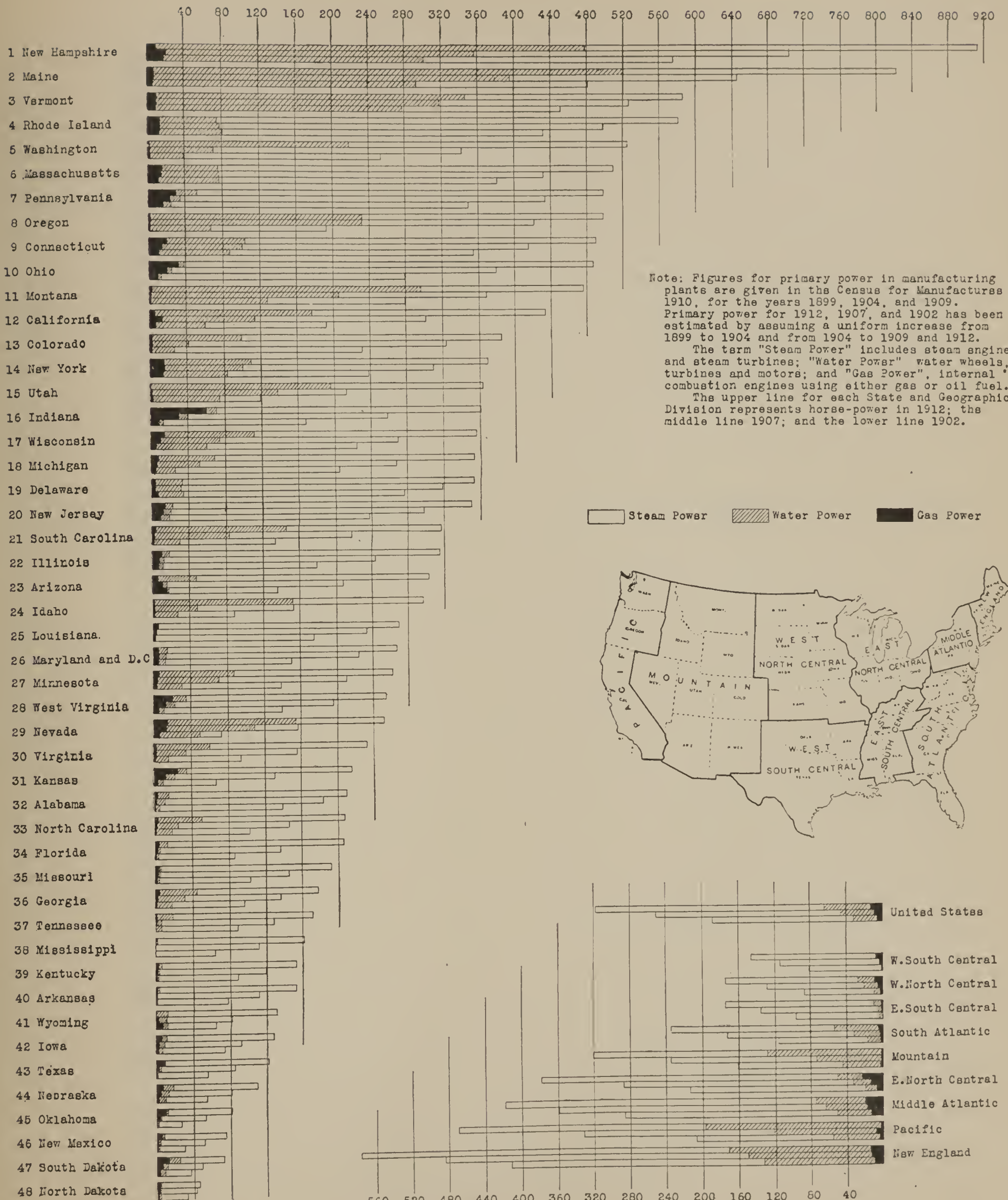
In Commercial and Municipal Central Stations, Street and Electric Railways, and Manufacturing Plants  
By States and by Geographic Divisions  
In Millions of Horse-Power







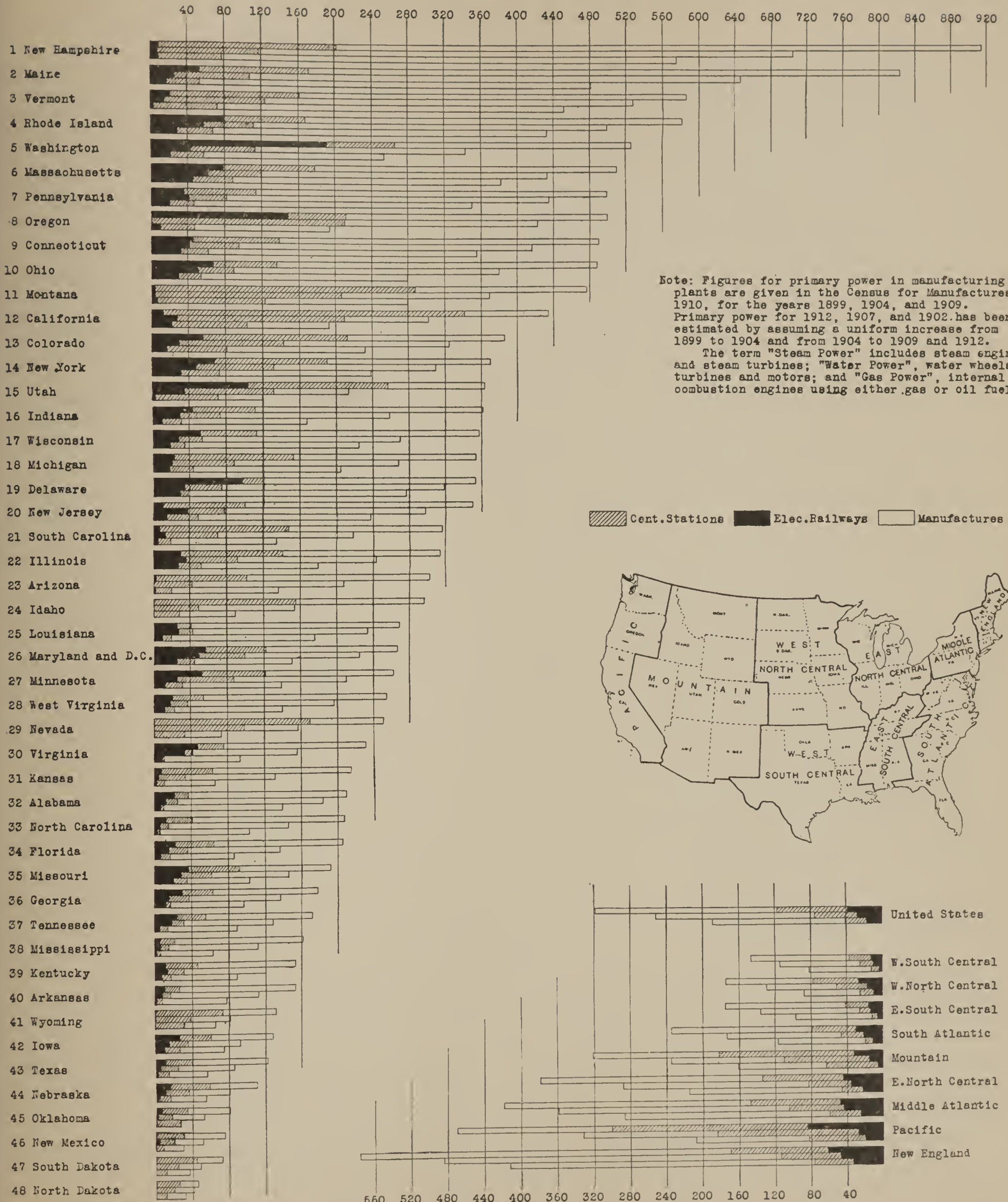
Steam Power, Water Power, and Gas Power  
By States and By Geographic Divisions  
In Horse-Power







In Commercial and Municipal Central Stations, Street and Electric Railways, and Manufacturing Plants  
By States and by Geographic Divisions  
In Horse-Power



Note: Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912. The term "Steam Power" includes steam engines and steam turbines; "Water Power", water wheels, turbines and motors; and "Gas Power", internal combustion engines using either gas or oil fuel.





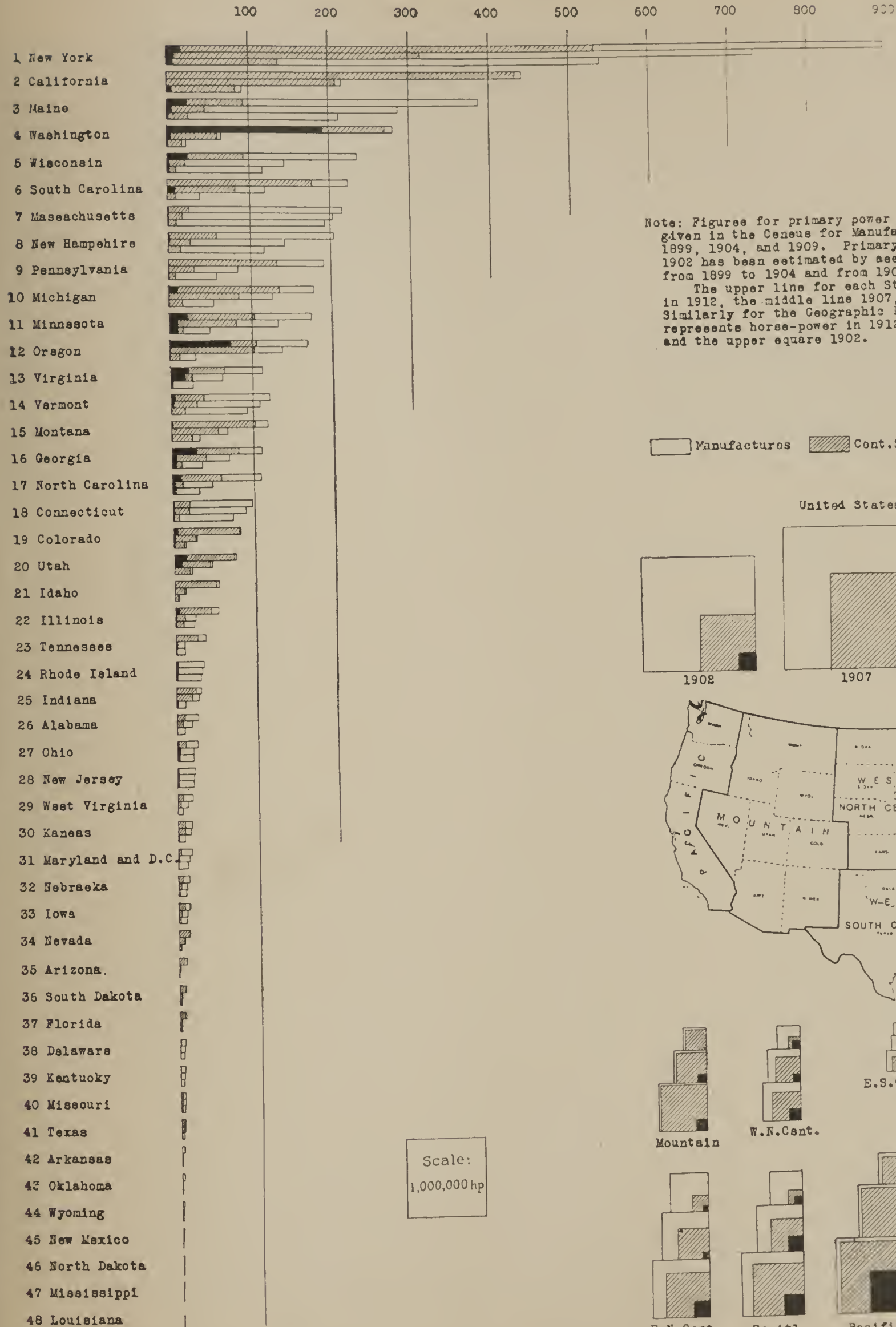
By States and by Geographic Divisions  
In Per Cent of Power in 1902







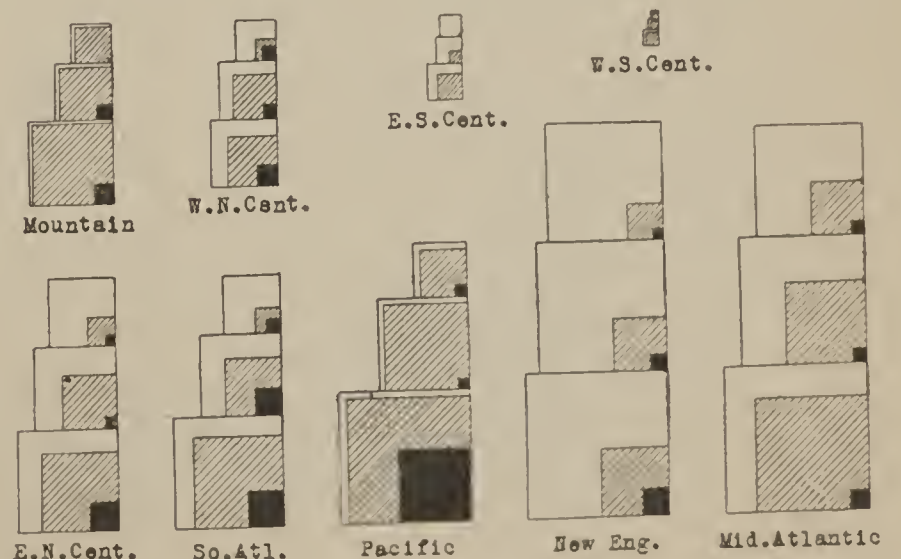
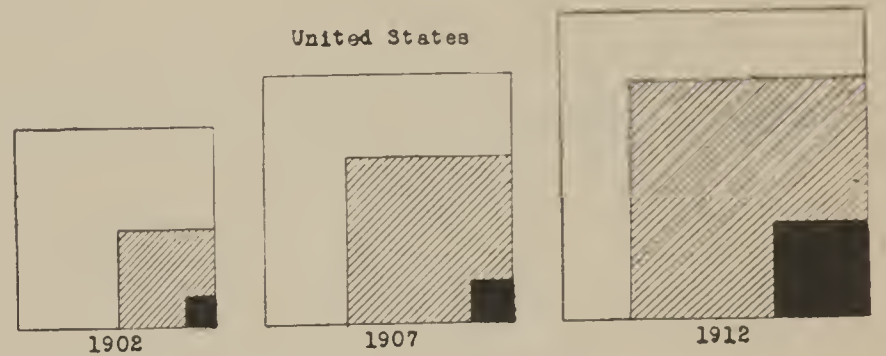
In Commercial and Municipal Central Stations, Street and Electric Railways, and Manufacturing Plants  
By States and by Geographic Divisions  
In Thousands of Horse-Power



Note: Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.

The upper line for each State represents horse-power in 1912, the middle line 1907, the lower line 1902. Similarly for the Geographic Divisions, the lower square represents horse-power in 1912, the middle square 1907, and the upper square 1902.

Manufactures Cent.Stations Elec.Railways

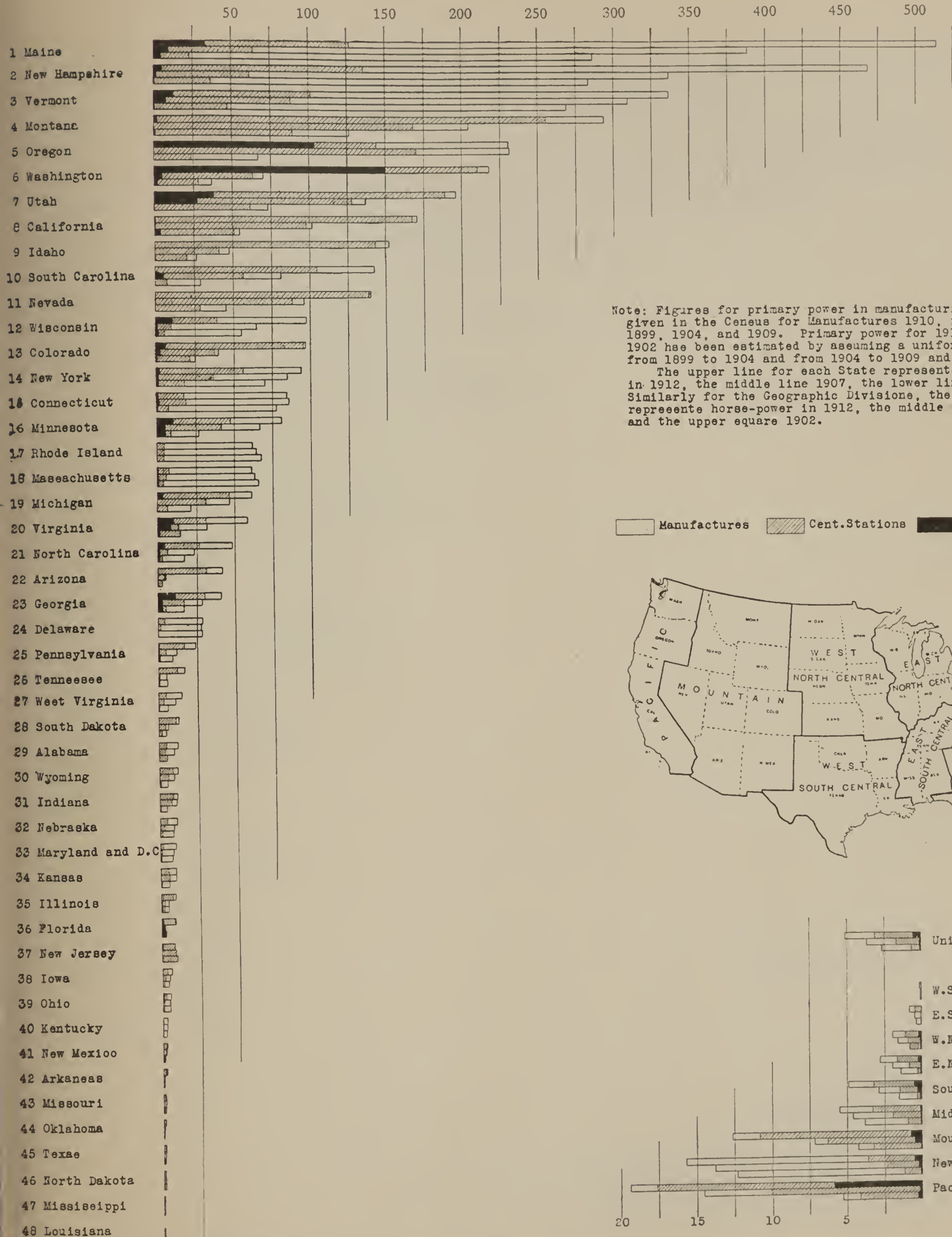


Scale:  
1,000,000 hp





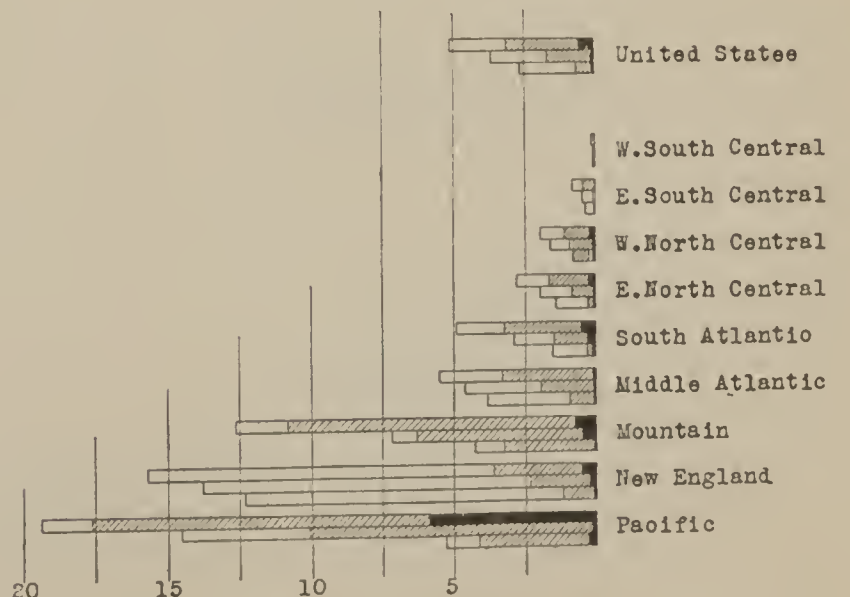
In Commercial and Municipal Central Stations, Street and Electric Railway, and Manufacturing Plants  
By State and by Geographic Divisions  
In Horse-Power



Note: Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.

The upper line for each State represents horse-power in 1912, the middle line 1907, the lower line 1902. Similarly for the Geographic Divisions, the lower square represents horse-power in 1912, the middle square 1907; and the upper square 1902.

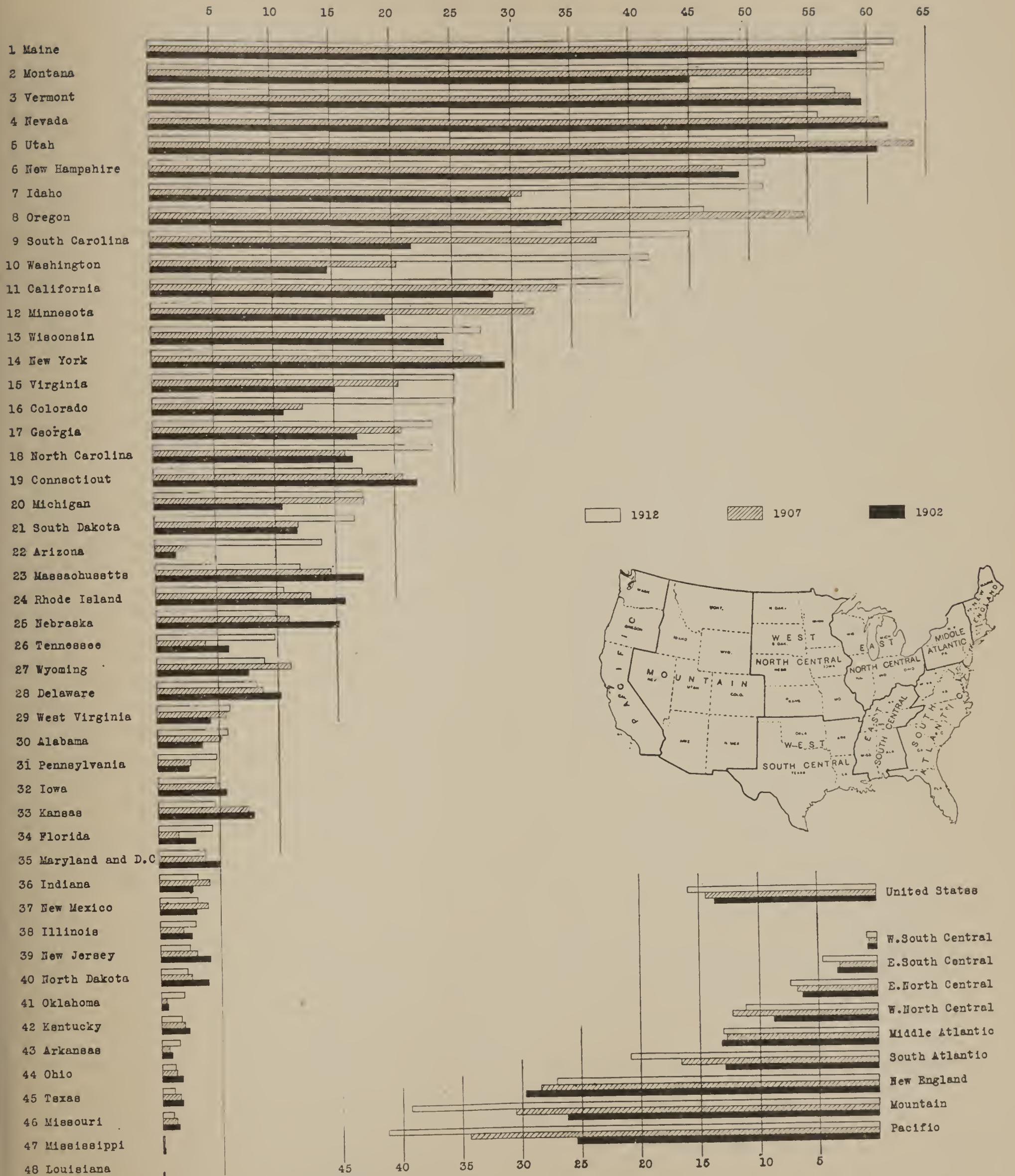
[Solid Bar] Manufactures [Hatched Bar] Cent. Stations [Solid Black Bar] Elec. Railway







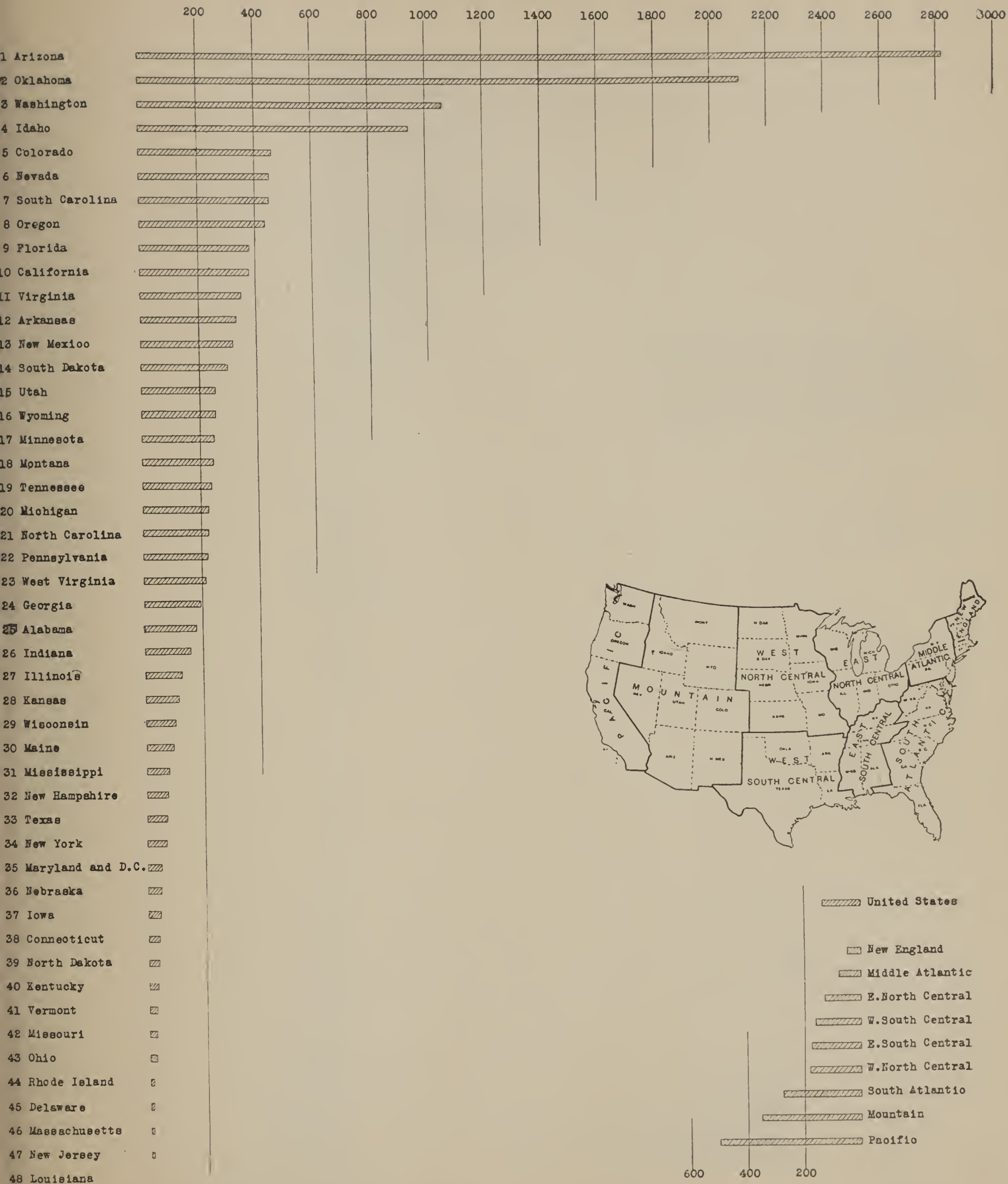
By States and by Geographic Divisions  
In Per Cent of Total Power







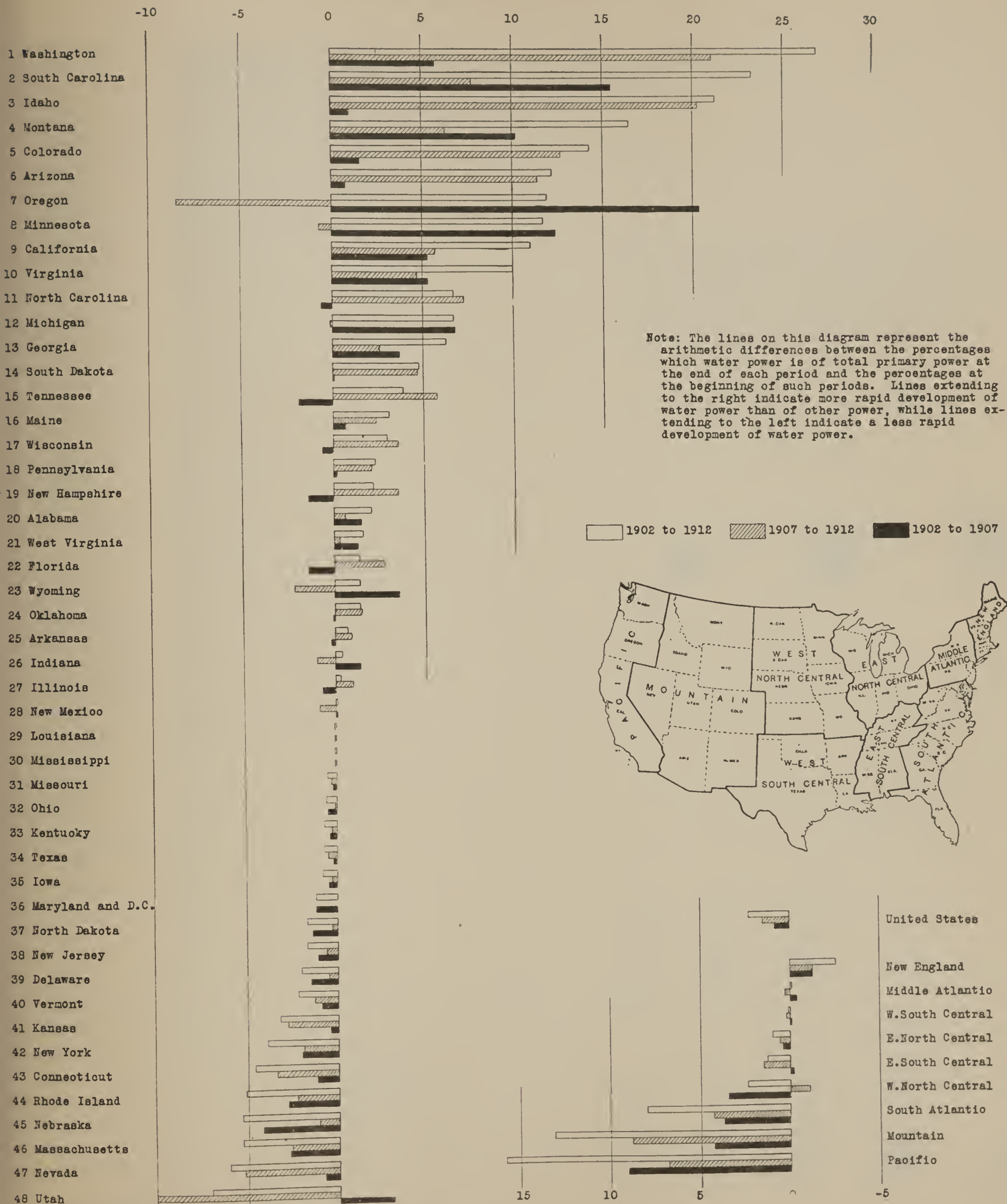
By States and by Geographic Divisions  
In Per Cent of Power in 1902







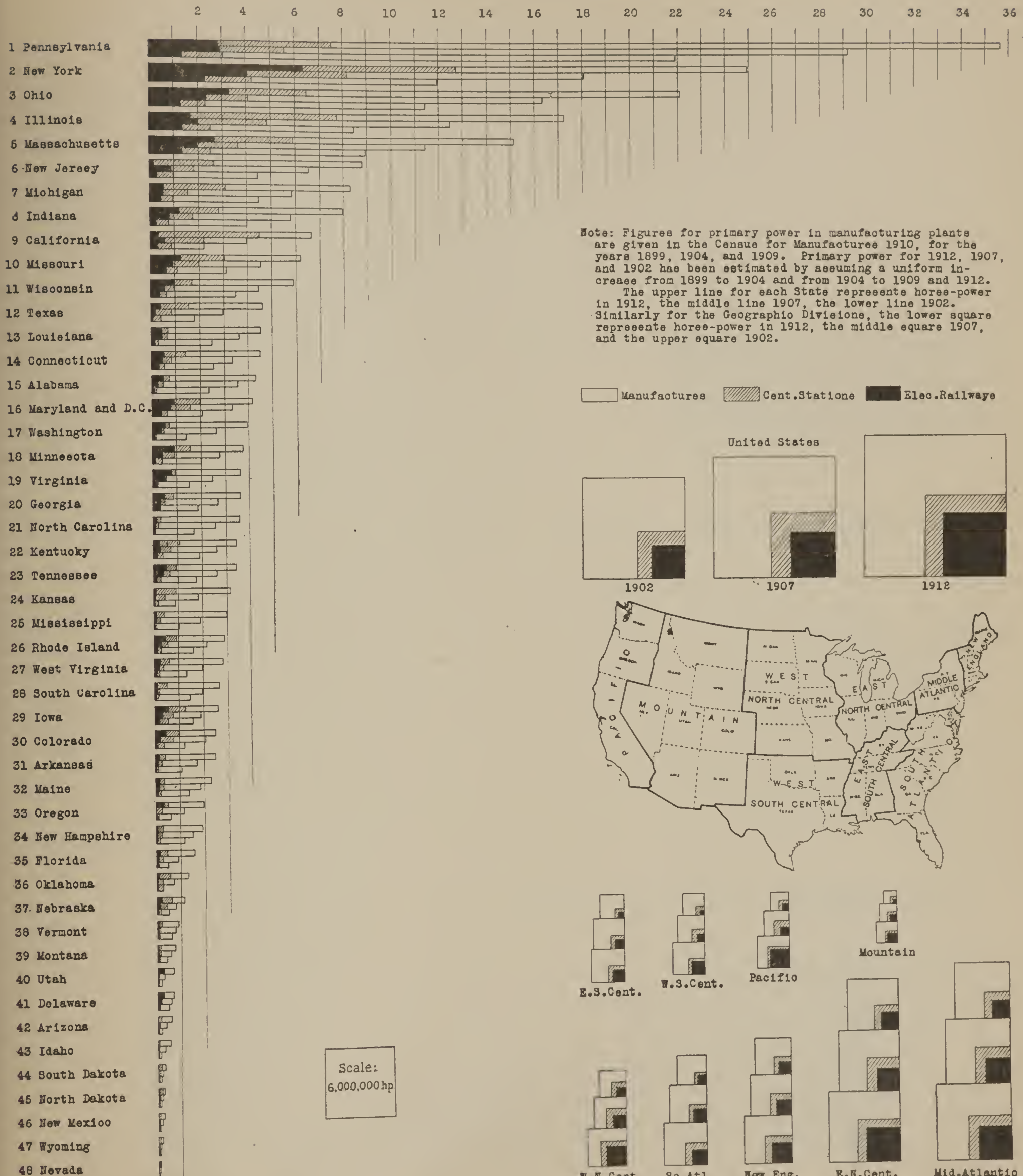
For the Periods 1902 to 1912, 1907 to 1912, and 1902 to 1907  
By States and by Geographic Divisions







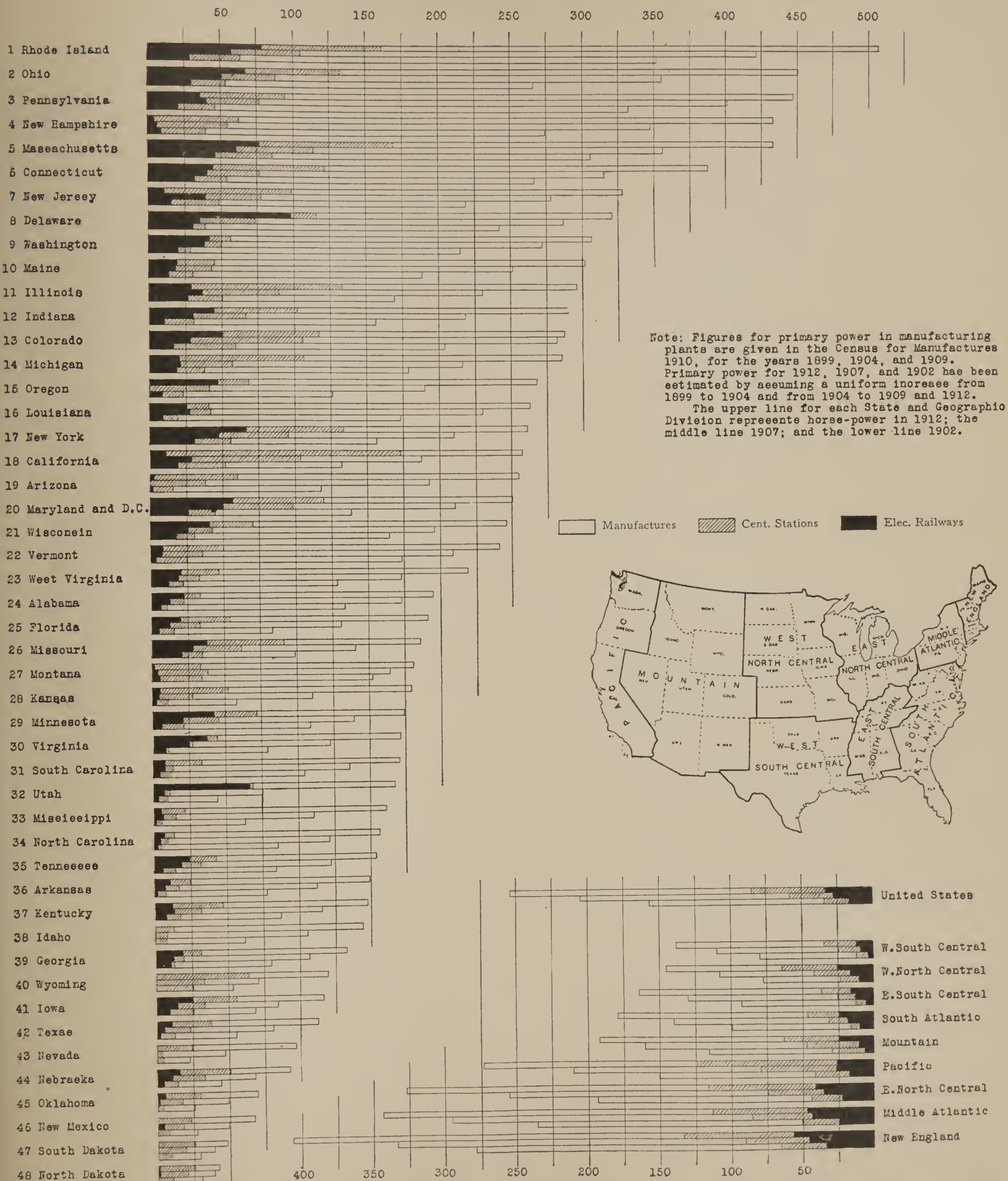
In Commercial and Municipal Central Stations, Street and Electric Railways, and Manufacturing Plants  
By States and by Geographic Divisions  
In Hundreds of Thousands of Horse-Power





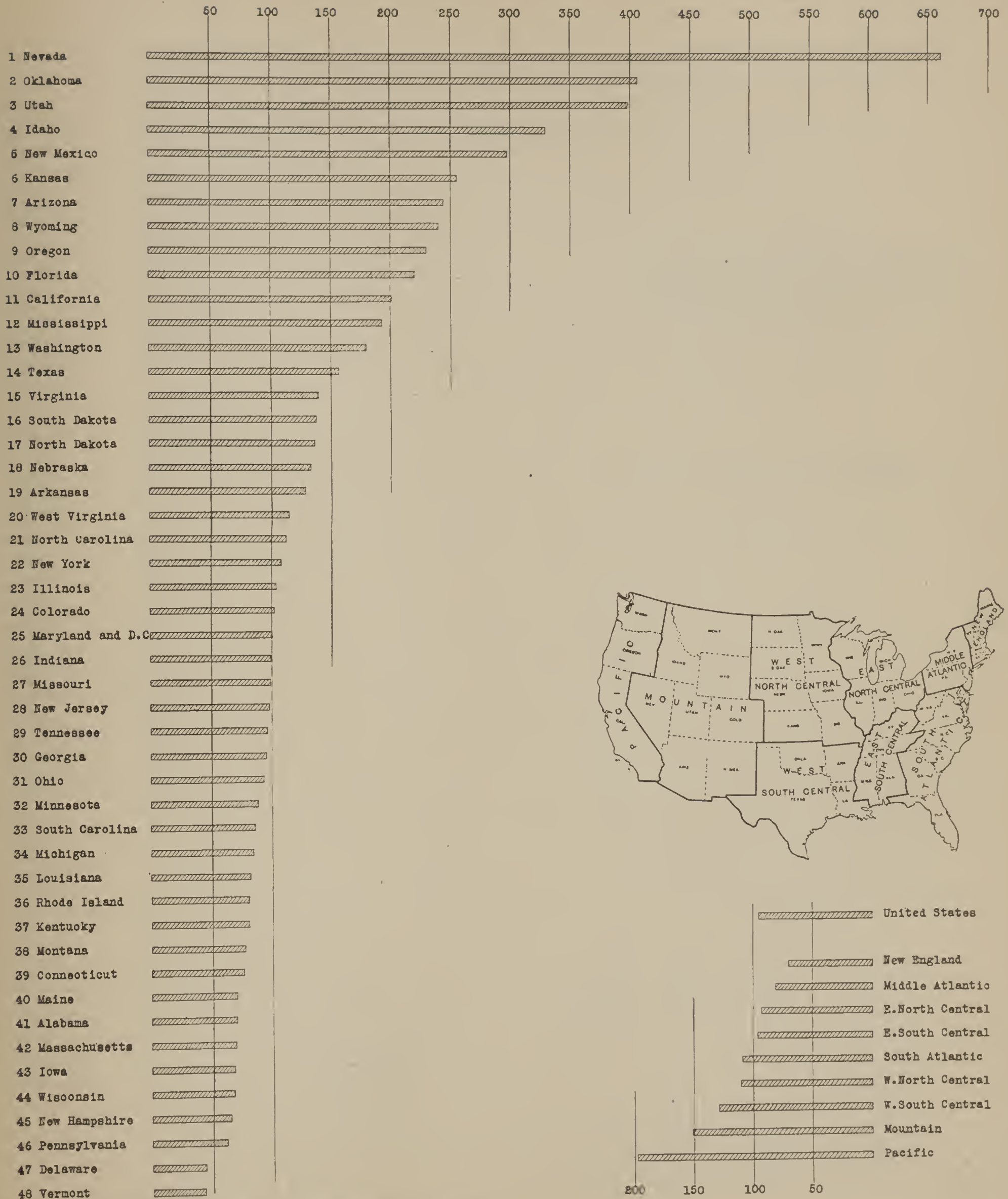


In Commercial and Municipal Central Stations, Street and Electric Railways, and Manufacturing Plants  
By States and by Geographic Divisions  
In Horse-Power





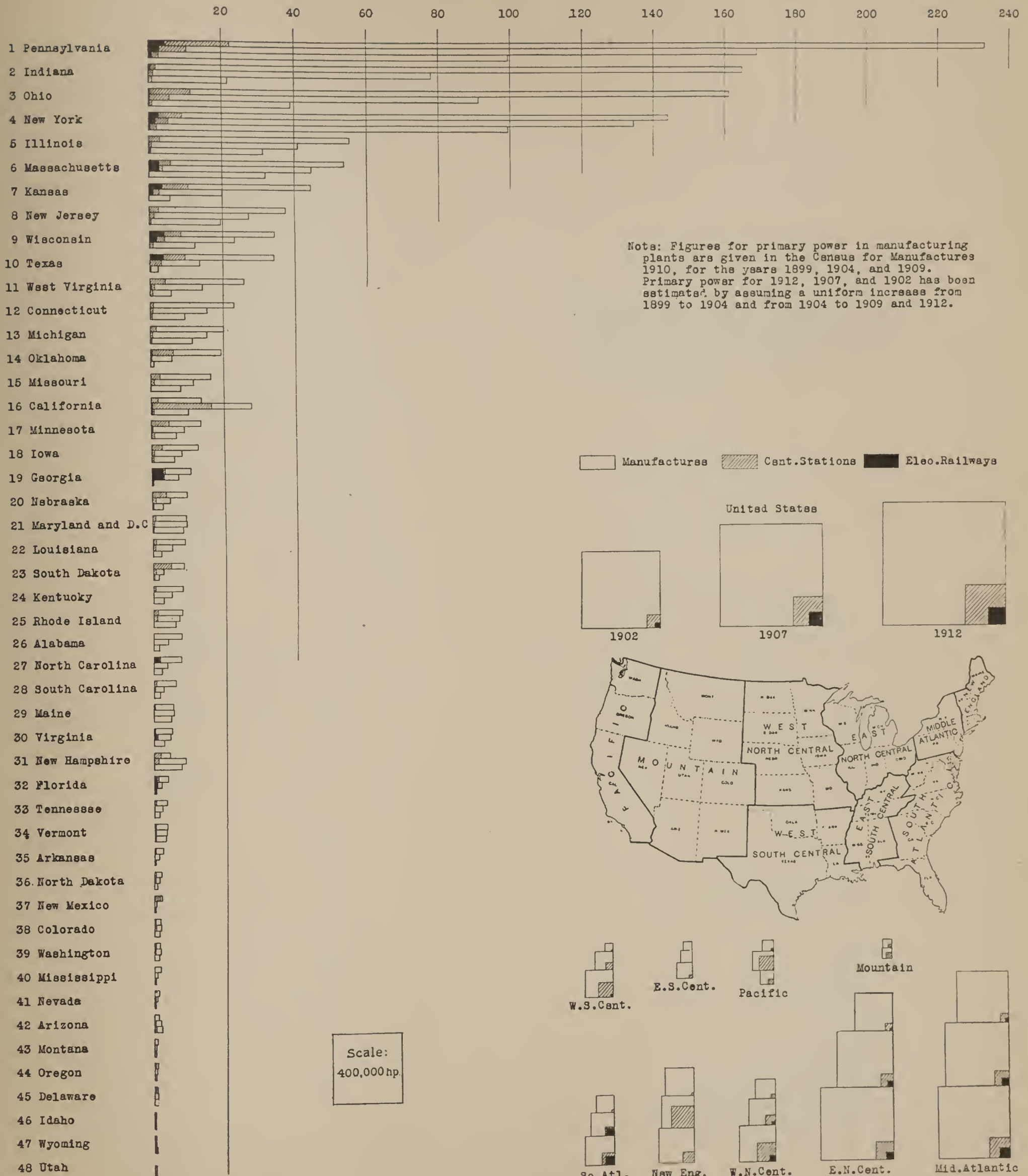


By States and by Geographic Divisions  
In Per Cent of Power in 1902





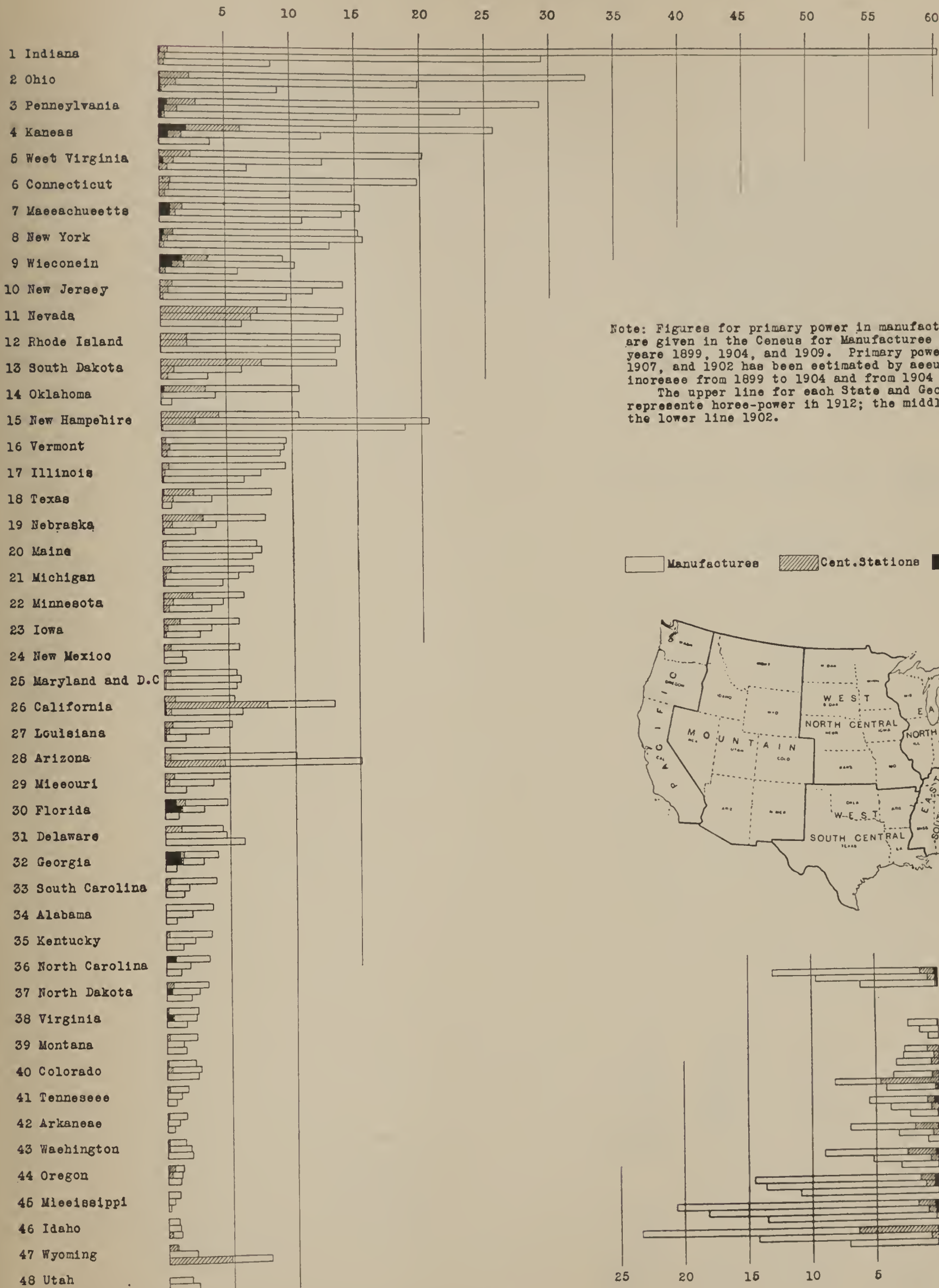
In Commercial and Municipal Central Stations, Street and Electric Railways, and Manufacturing Plants  
By States and by Geographic Divisions  
In Thousands of Horse-Power





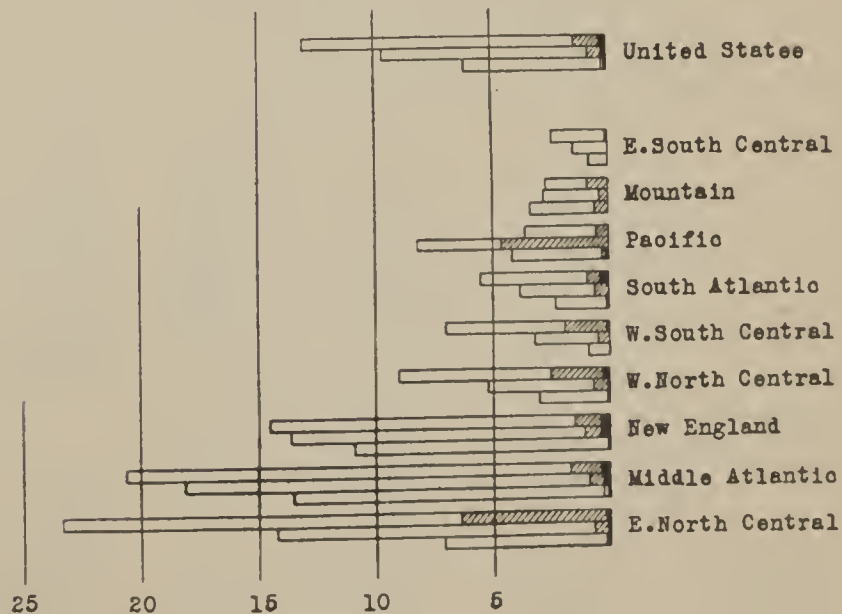


In Commercial and Municipal Central Stations, Street and Electric Railways, and Manufacturing Plants  
By States and by Geographic Divisions  
In Horse-Power



Note: Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912. The upper line for each State and Geographic Division represents horse-power in 1912; the middle line 1907; and the lower line 1902.

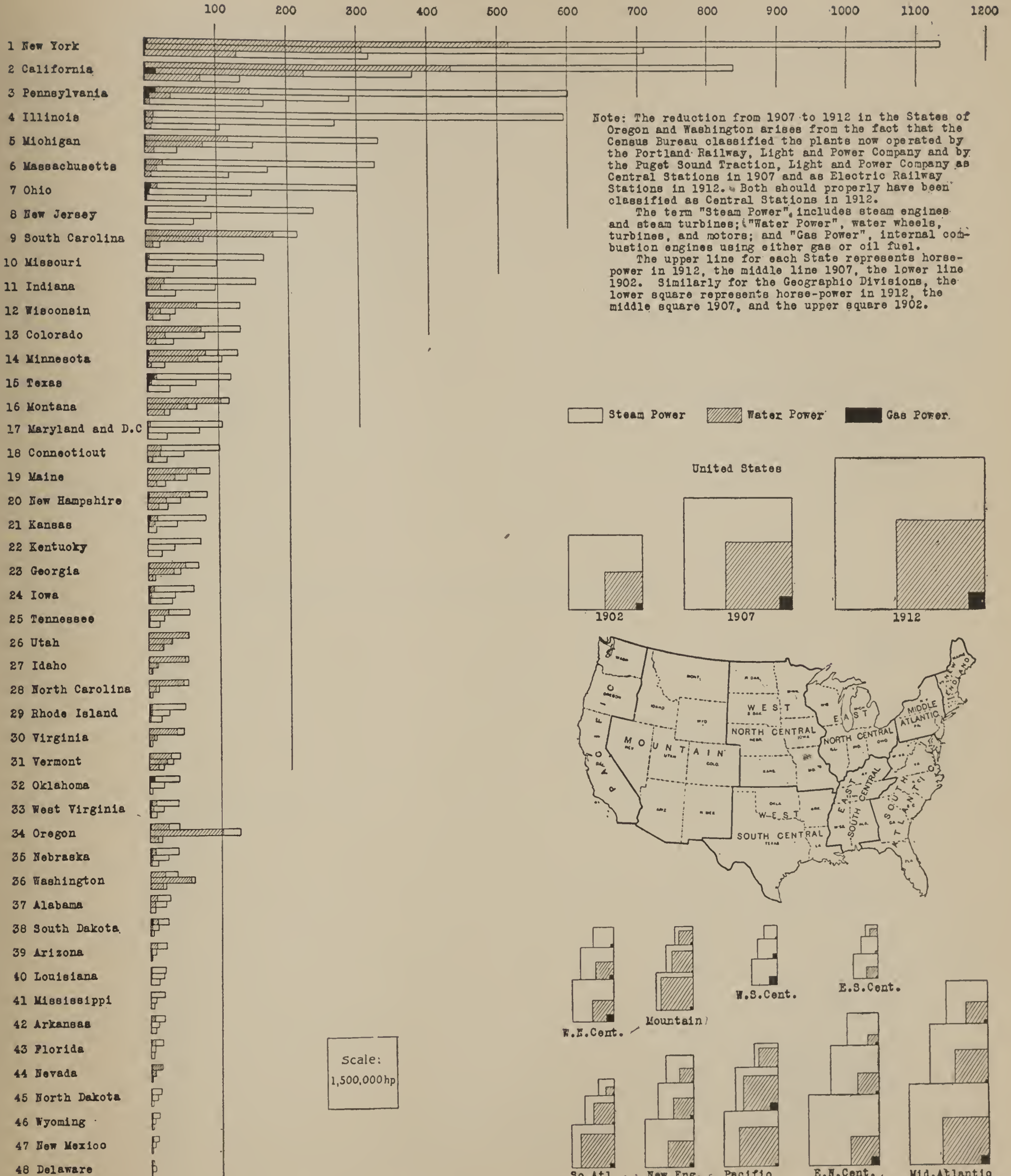
Manufactures Cent.Stations Elec.Railways







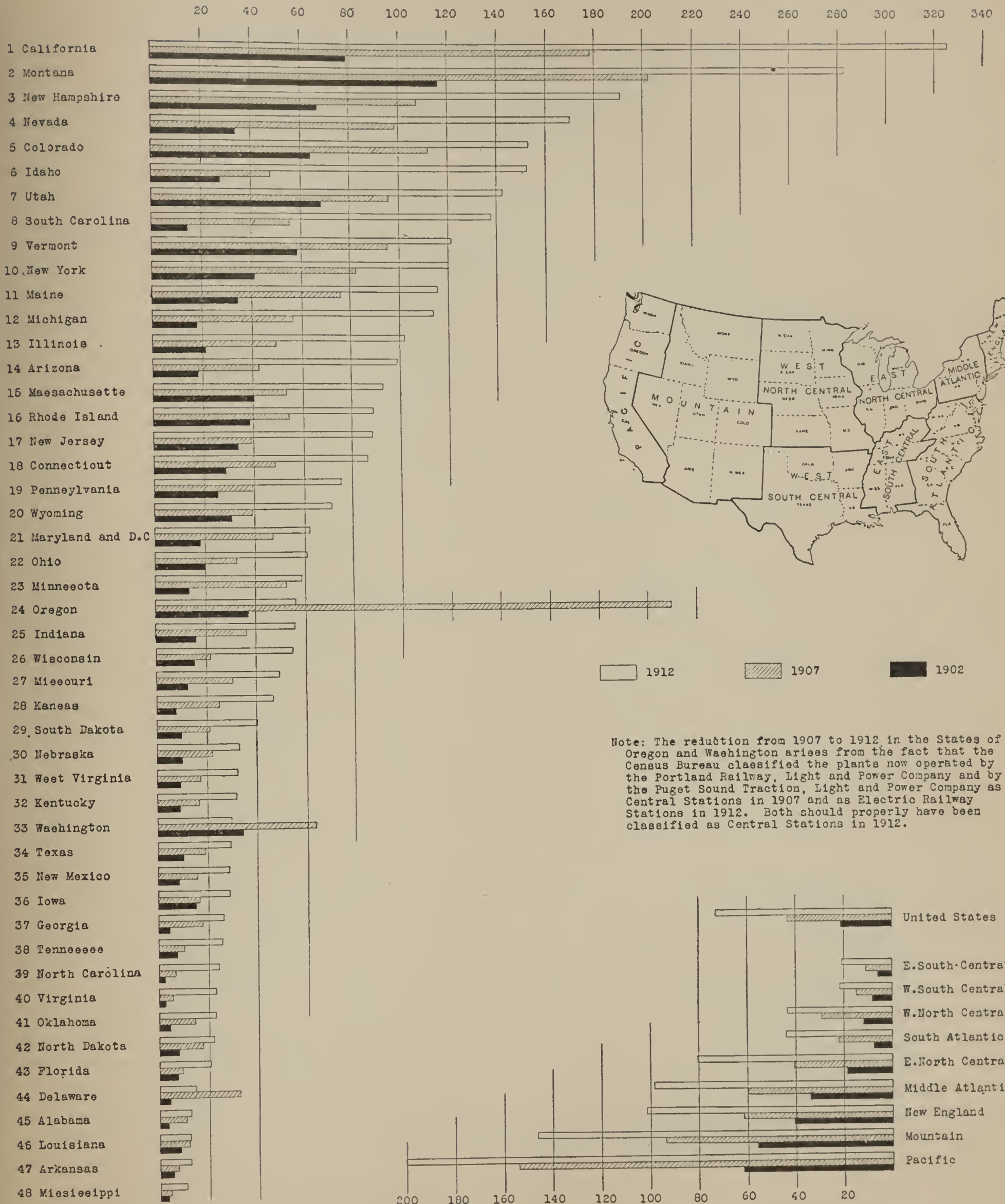
Primary Power in 1912, 1907 and 1902: - Steam Power, Water Power, and Gas Power  
By States and by Geographic Divisions  
In Thousands of Horse-Power







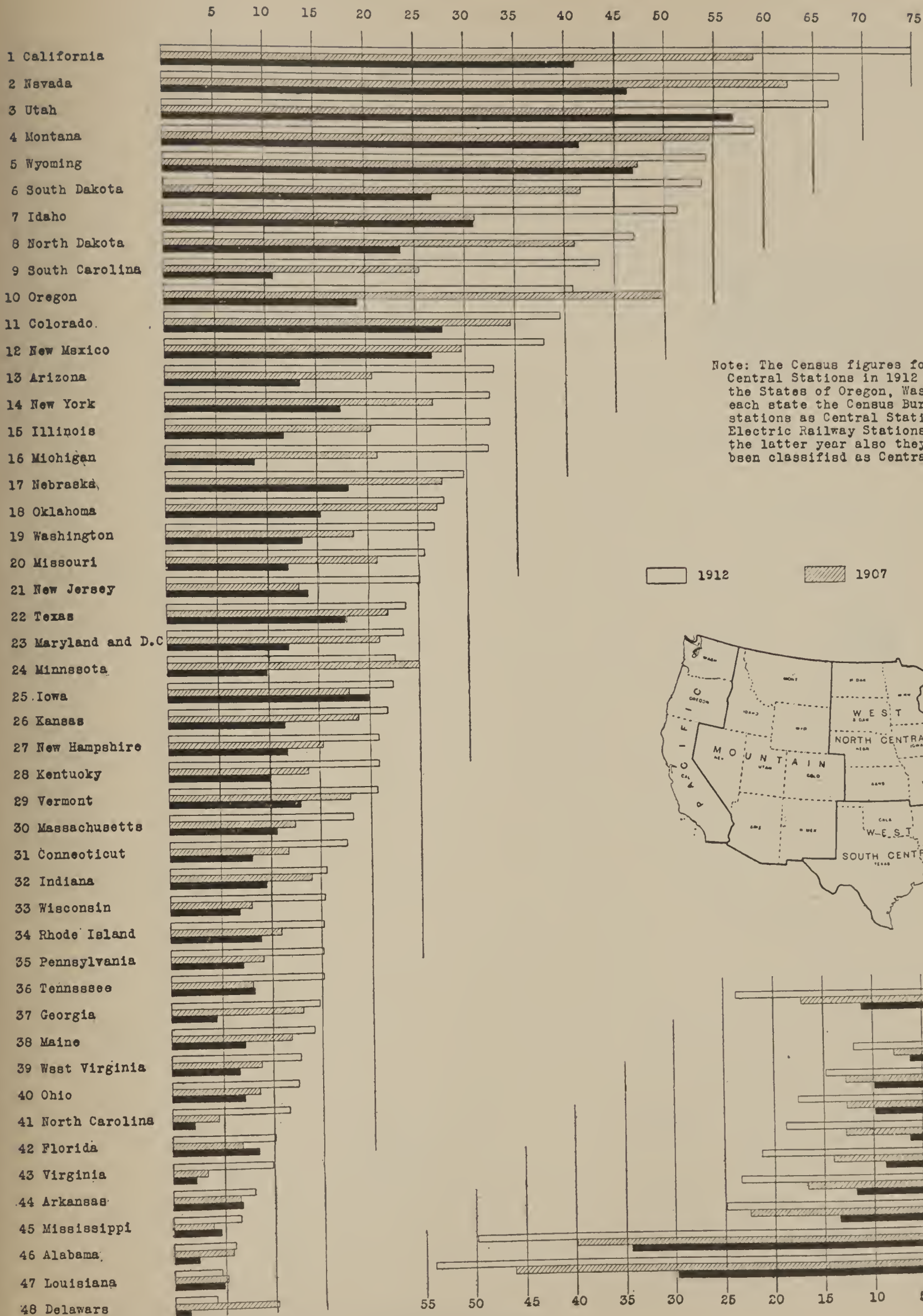
Primary Power Per Thousand of Population in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Horse-Power





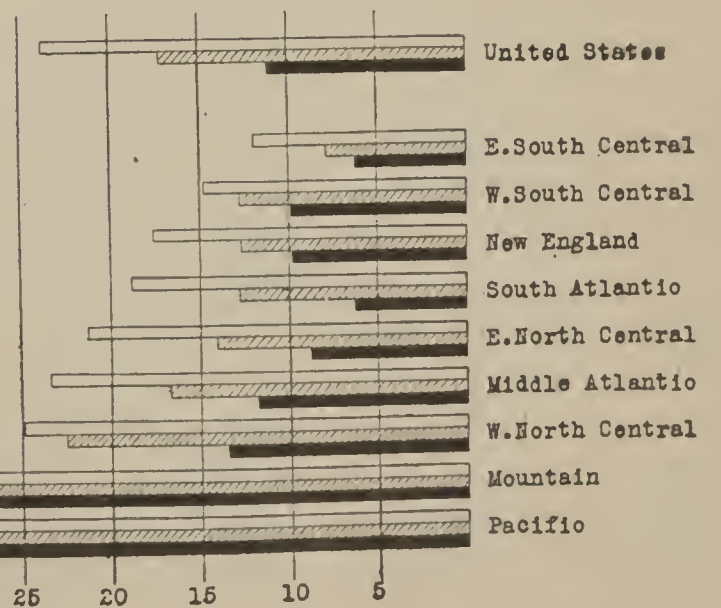


By States and by Geographic Divisions  
In Per Cent of Total Power



Note: The Census figures for primary power in Central Stations in 1912 have been corrected for the States of Oregon, Washington, and Utah. In each state the Census Bureau classified certain stations as Central Stations in 1907 and as Electric Railway Stations in 1912, although in the latter year also they should properly have been classified as Central Stations.

1912 1907 1902







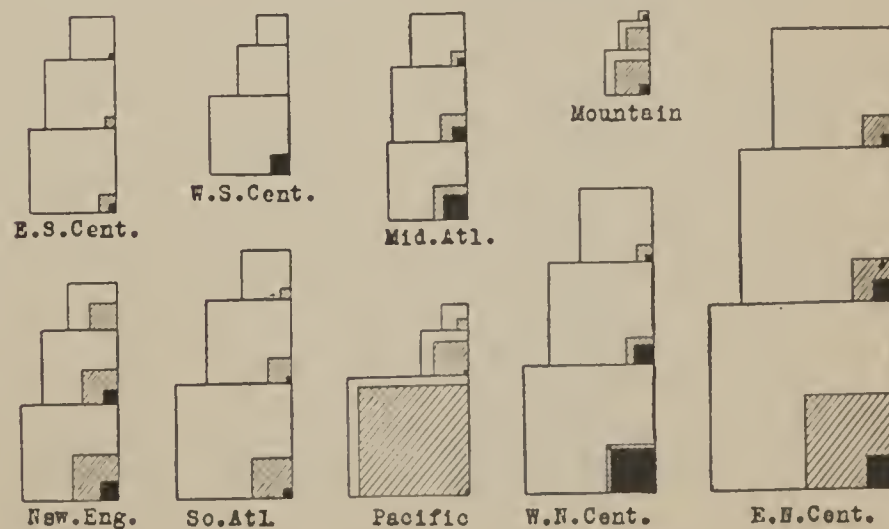
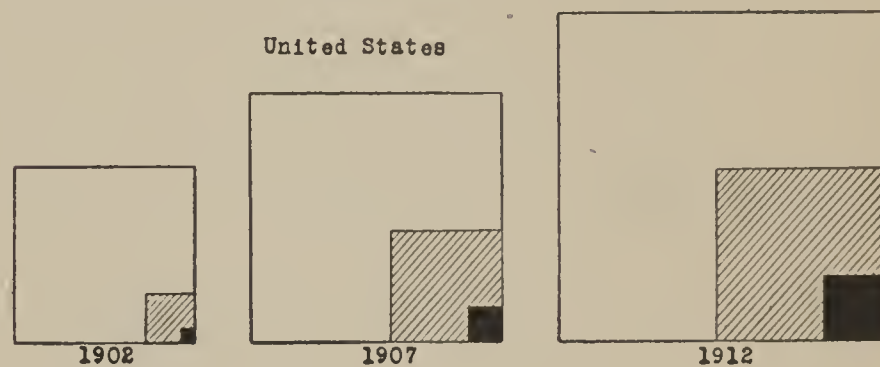
Primary Power in 1912, 1907 and 1902: - Steam Power, Water Power, and Gas Power  
By States and by Geographic Divisions  
In Thousands of Horse-Power

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58

1 Washington  
2 Illinois  
3 Michigan  
4 Ohio  
5 Indiana  
6 Massachusetts  
7 Minnesota  
8 Florida  
9 Georgia  
10 Missouri  
11 Kansas  
12 Pennsylvania  
13 Wisconsin  
14 New York  
15 Iowa  
16 Oklahoma  
17 Nebraska  
18 Tennessee  
19 Virginia  
20 Mississippi  
21 North Carolina  
22 California  
23 Connecticut  
24 Texas  
25 Kentucky  
26 Vermont  
27 Alabama  
28 Arkansas  
29 Louisiana  
30 Oregon  
31 Utah  
32 Maryland and D.C.  
33 South Carolina  
34 Colorado  
35 New Jersey  
36 South Dakota  
37 Maine  
38 North Dakota  
39 West Virginia  
40 Delaware  
41 New Hampshire  
42 Idaho  
43 Montana  
44 New Mexico  
45 Wyoming  
46 Rhode Island  
47 Arizona  
48 Nevada.

Note: The term "Steam Power" includes steam engines and steam turbines; "Water Power", water wheels, turbines, and motors; and "Gas Power", internal combustion engines using either gas or oil fuel.  
The upper line for each State represents horse-power in 1912, the middle line 1907, the lower line 1902. Similarly for the Geographic Divisions, the lower square represents horse-power in 1912, the middle squares 1907, and the upper square 1902.

Steam Power Water Power Gas Power

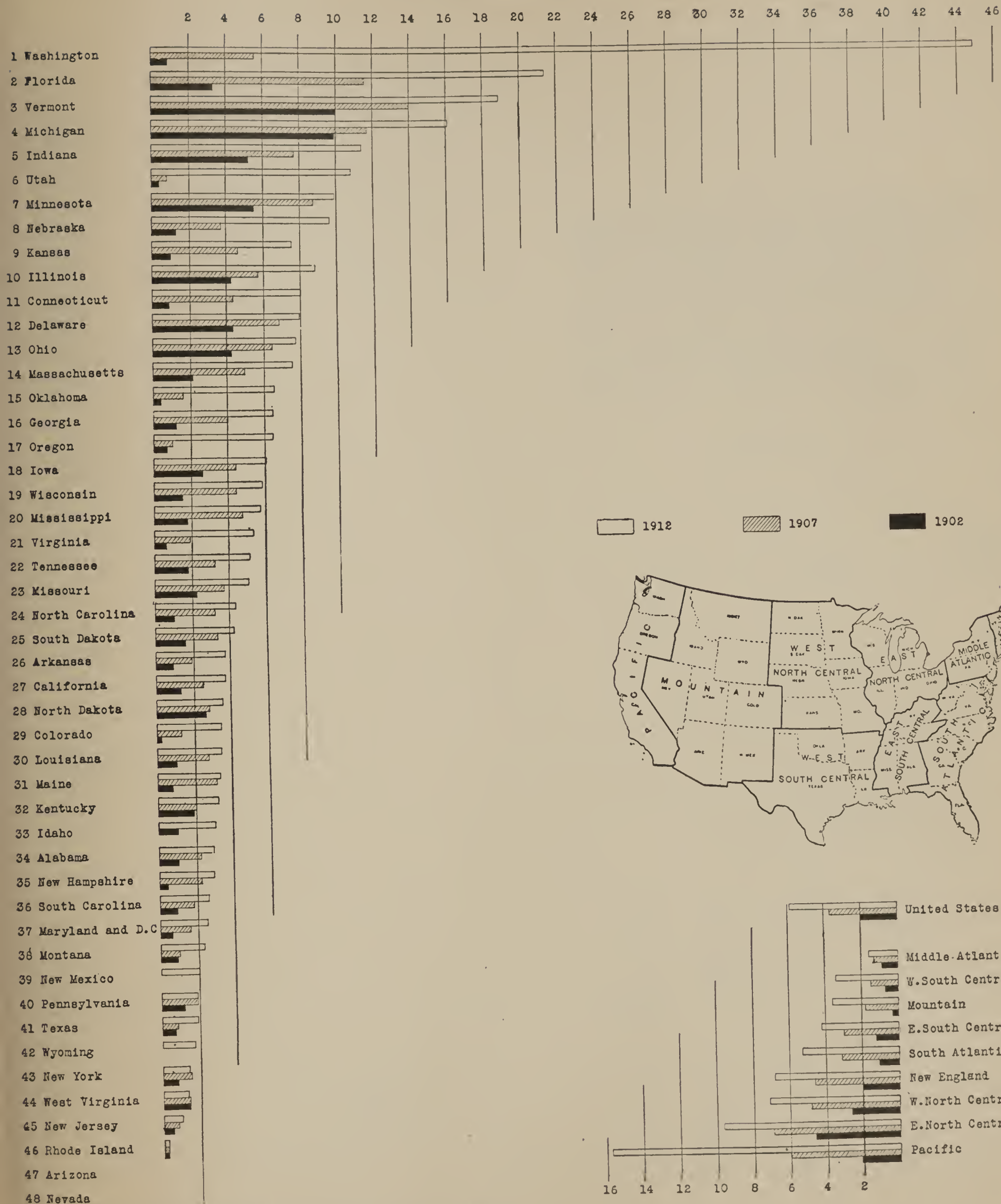


Scale:  
100,000 hp.





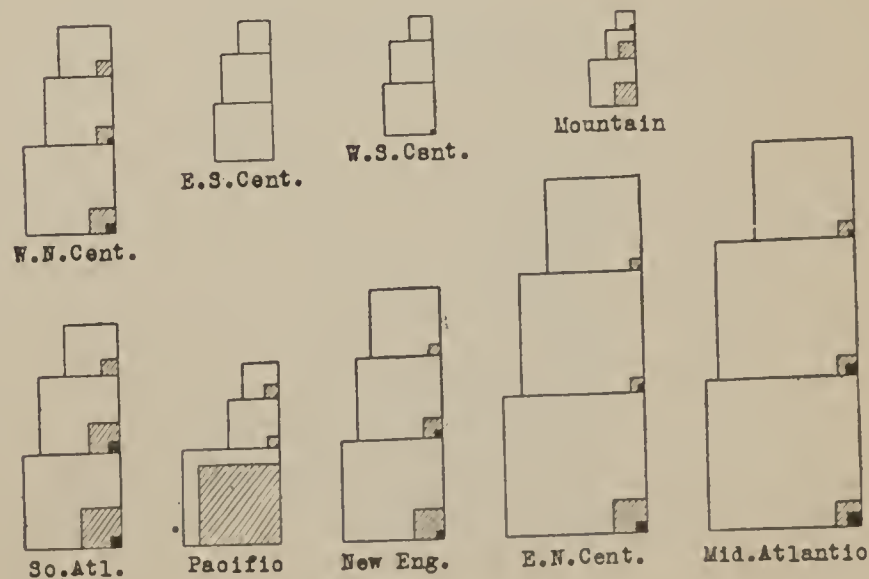
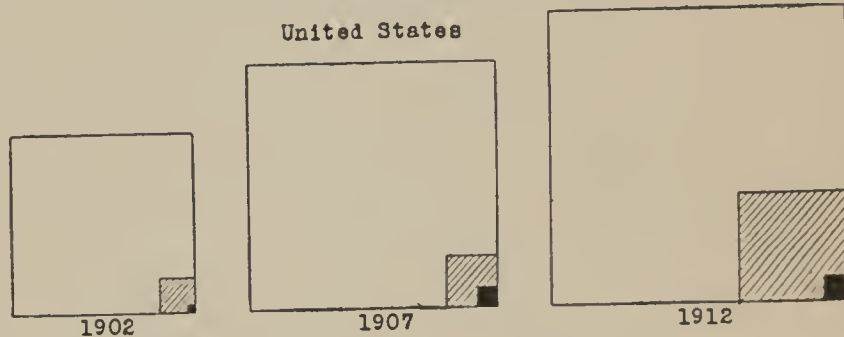
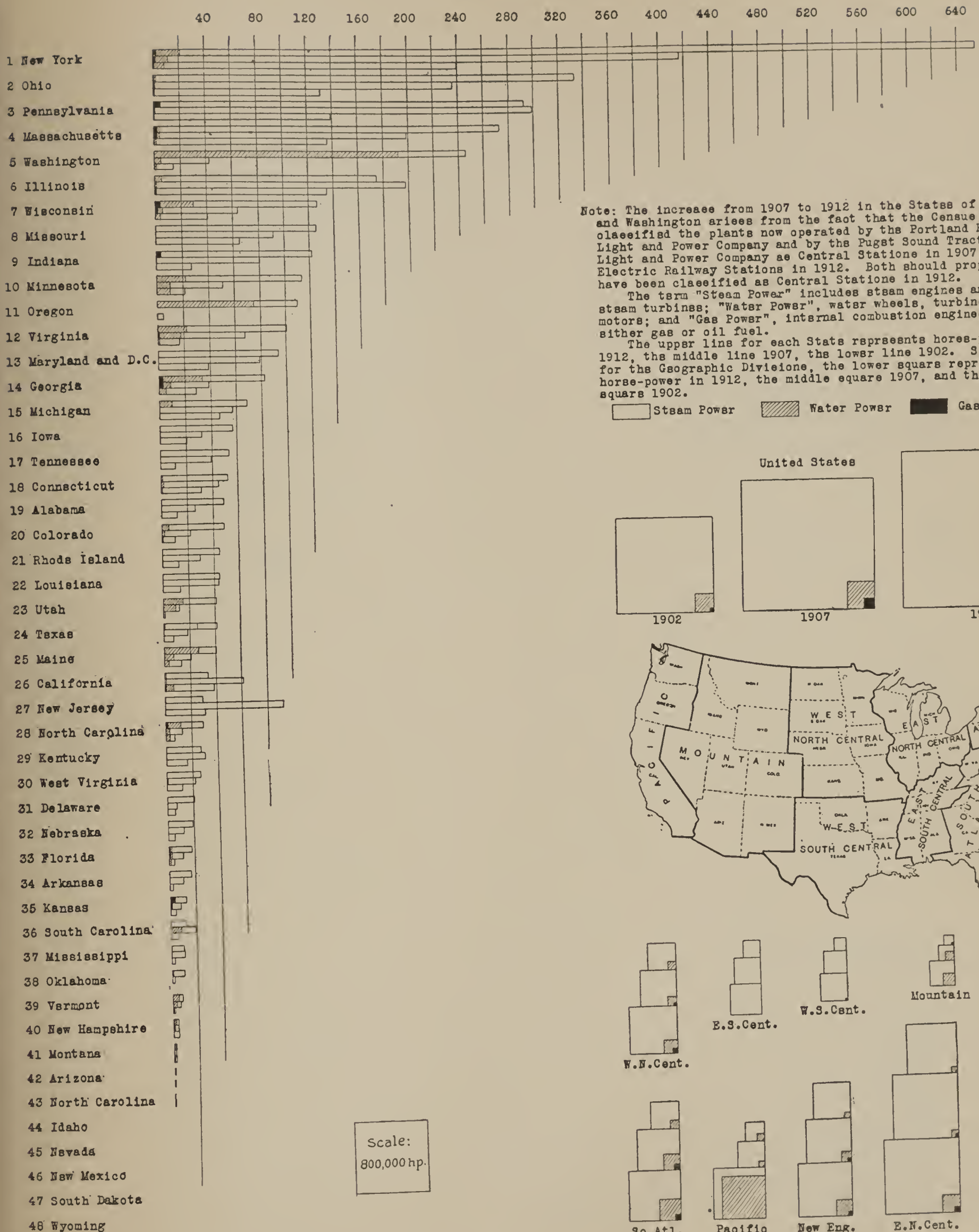
Primary Power Per Thousand of Population in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Horse-Power







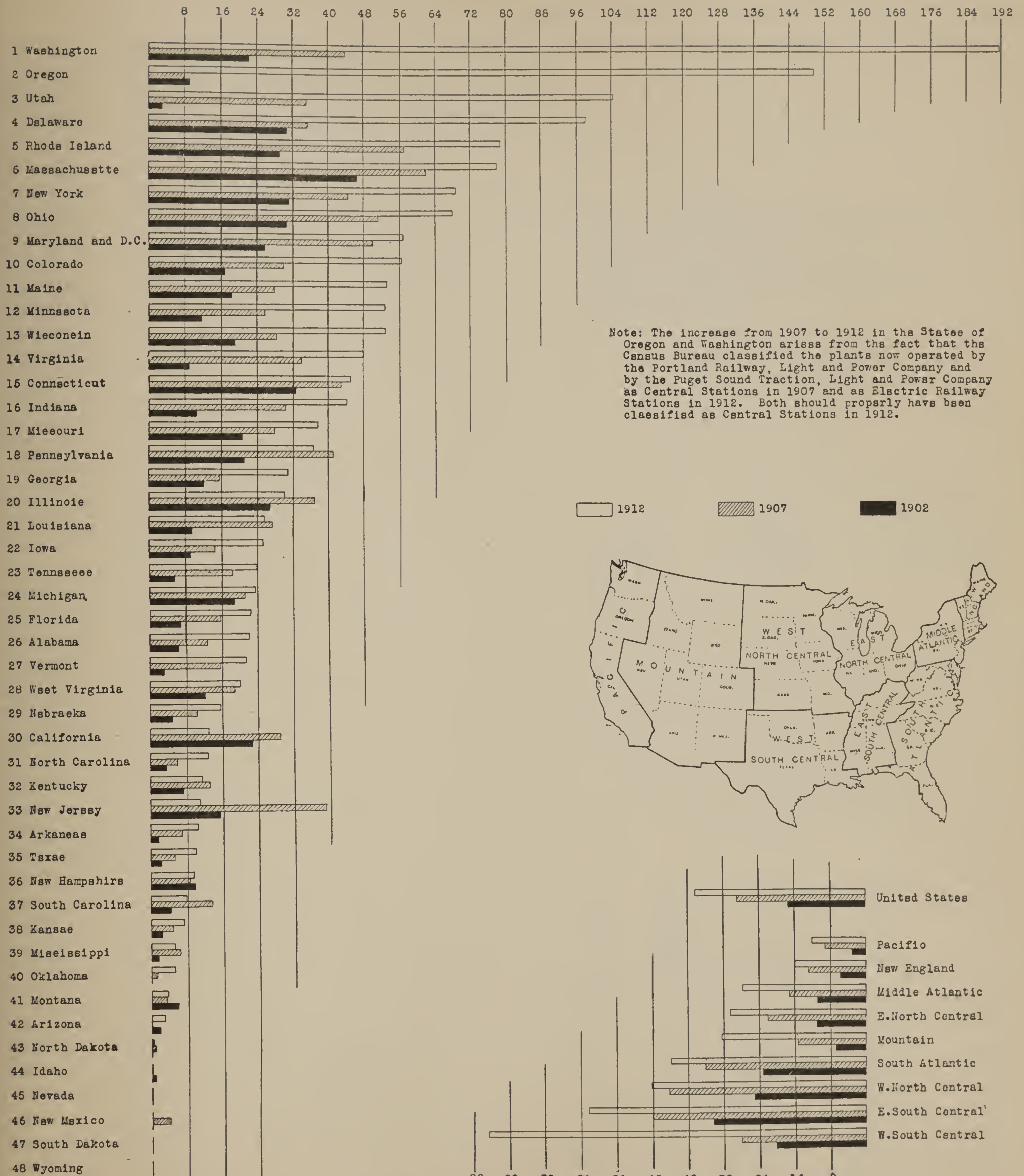
Primary Power in 1912, 1907 and 1902: - Steam Power, Water Power, and Gas Power  
By States and by Geographic Divisions  
In Thousands of Horse-Power







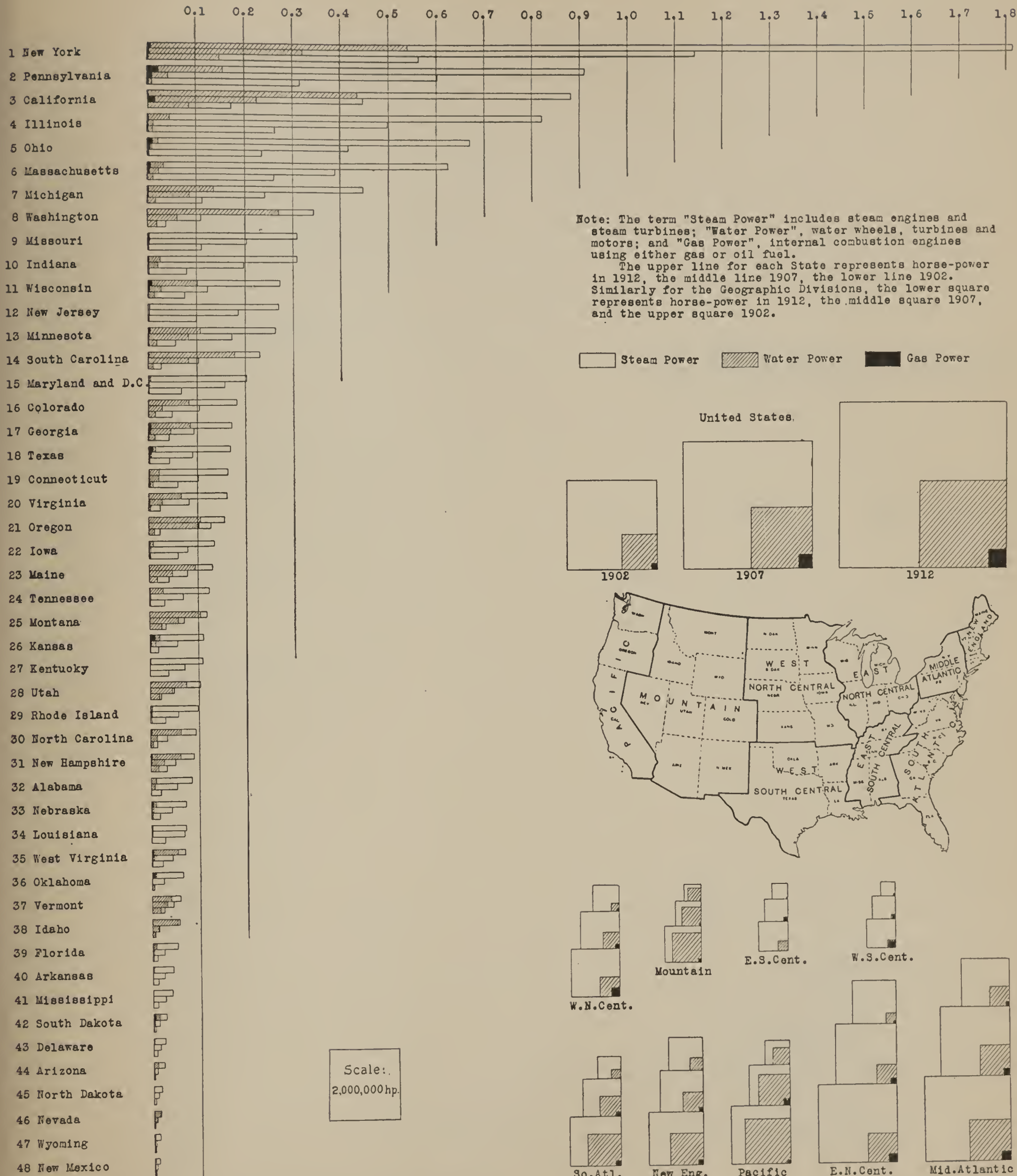
Primary Power Per Thousand of Population in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Horse-Power







Primary Power in 1912, 1907 and 1902: - Steam Power, Water Power, and Gas Power  
By States and by Geographic Divisions  
In Millions of Horse-Power



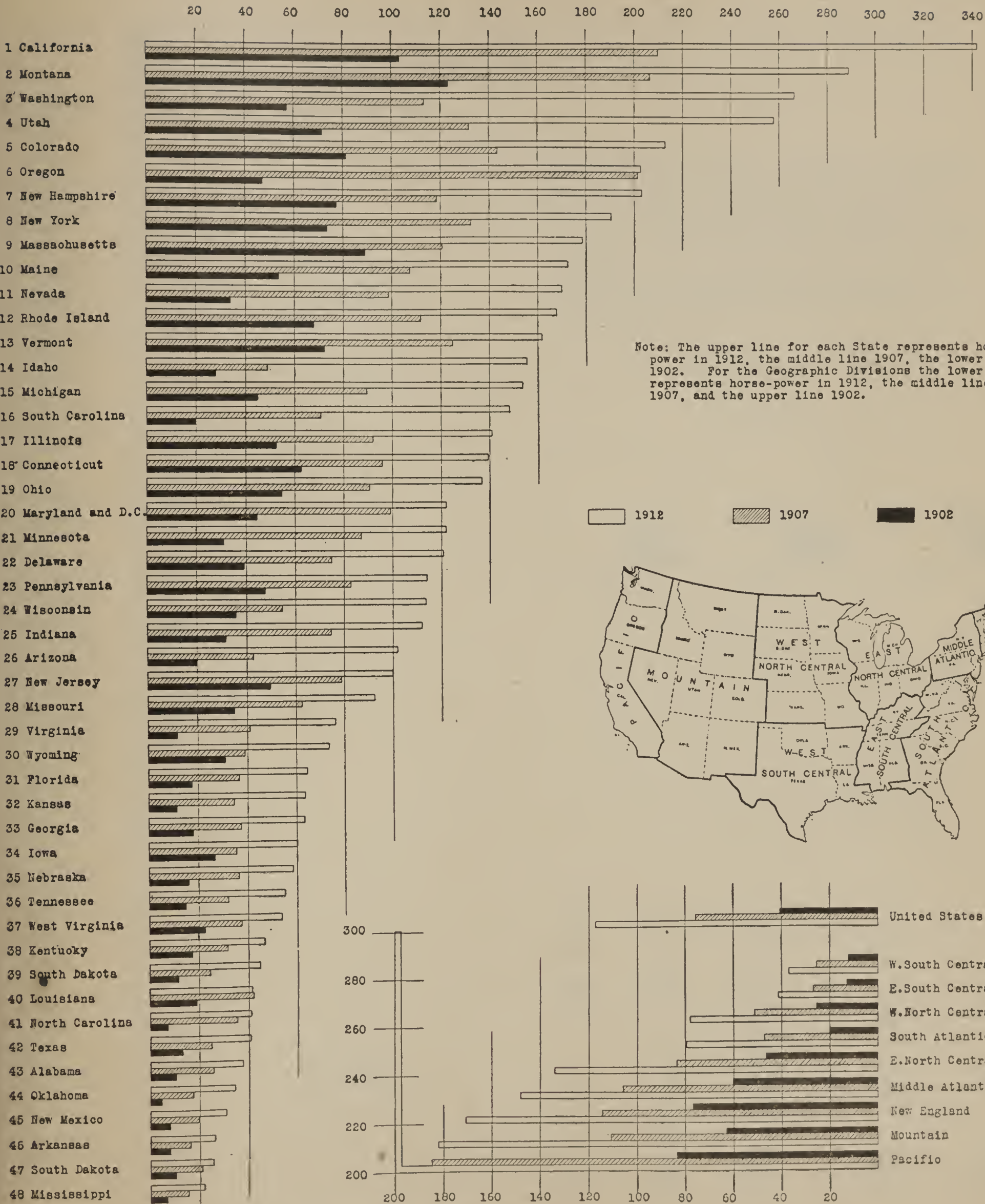
Note: The term "Steam Power" includes steam engines and steam turbines; "Water Power", water wheels, turbines and motors; and "Gas Power", internal combustion engines using either gas or oil fuel.

The upper line for each State represents horse-power in 1912, the middle line 1907, the lower line 1902. Similarly for the Geographic Divisions, the lower square represents horse-power in 1912, the middle square 1907, and the upper square 1902.





Primary Power Per Thousand of Population in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Horse-Power

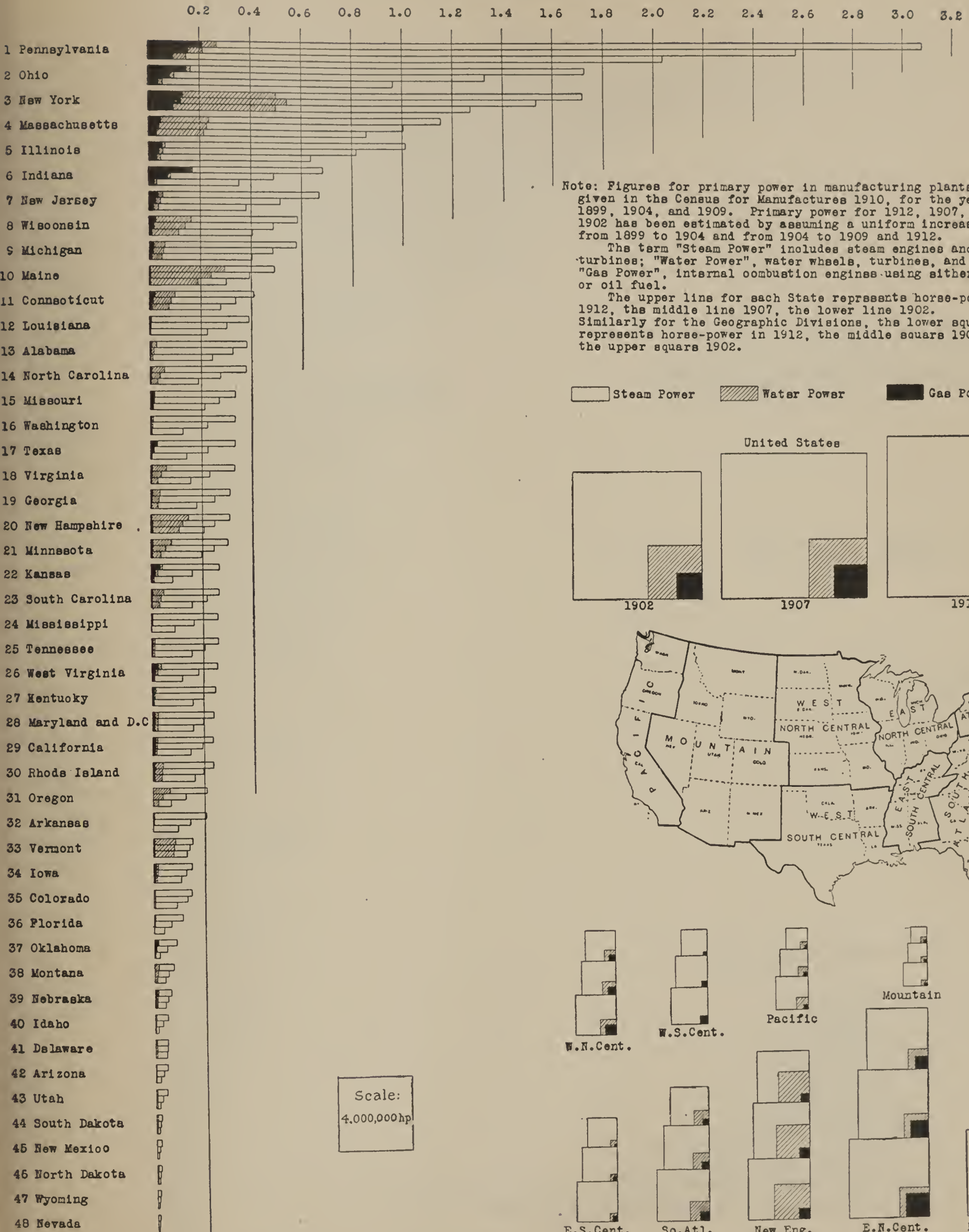


Note: The upper line for each State represents horse-power in 1912, the middle line 1907, the lower line 1902. For the Geographic Divisions the lower line represents horse-power in 1912, the middle line 1907, and the upper line 1902.





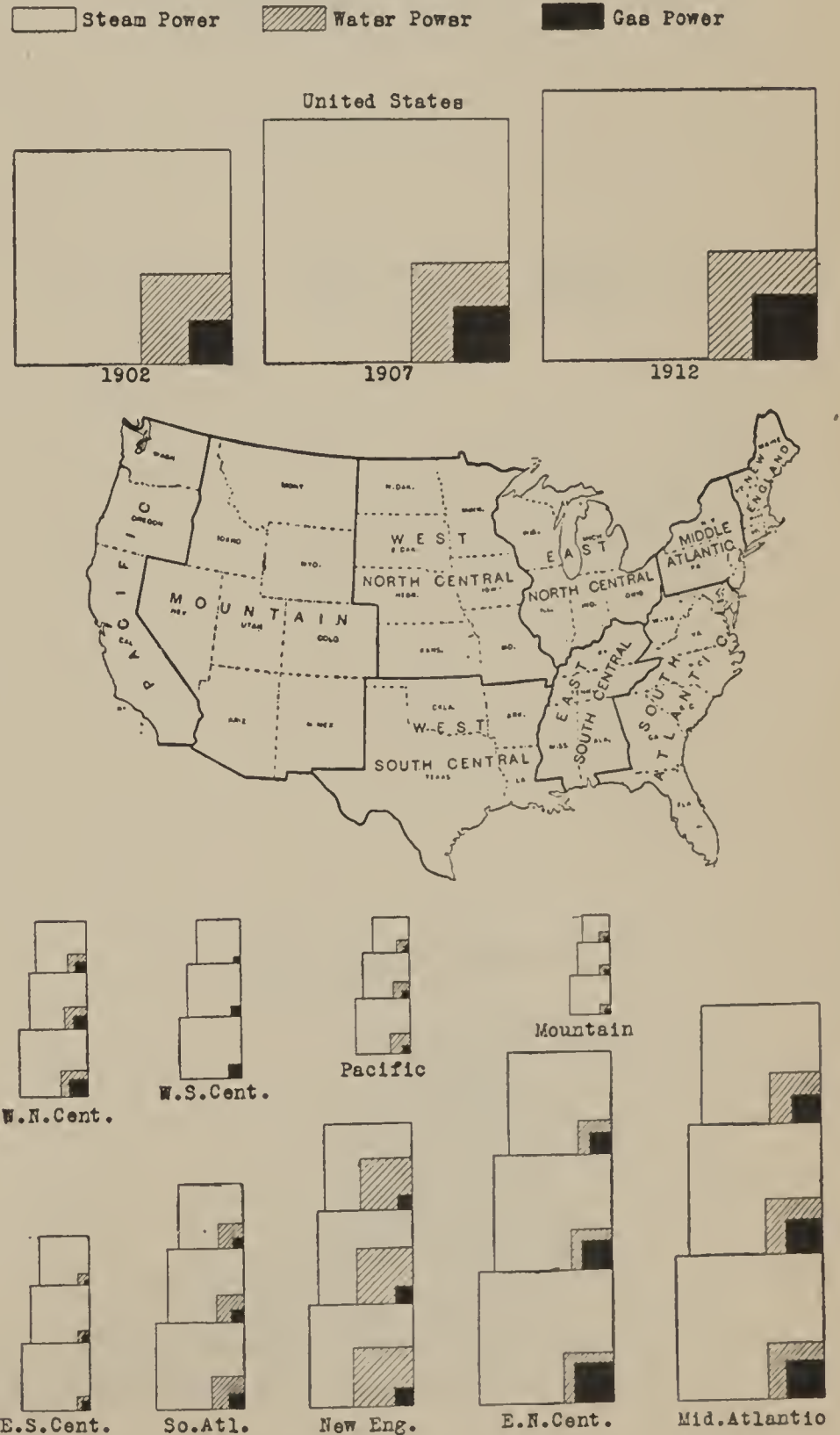
Primary Power in 1912, 1907 and 1902: - Steam Power, Water Power, and Gas Power  
By States and by Geographic Divisions  
In Millions of Horse-Power



Note: Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1909 and 1912.

The term "Steam Power" includes steam engines and steam turbines; "Water Power", water wheels, turbines, and motors; "Gas Power", internal combustion engines using either gas or oil fuel.

The upper line for each State represents horse-power in 1912, the middle line 1907, the lower line 1902. Similarly for the Geographic Divisions, the lower square represents horse-power in 1912, the middle square 1907, and the upper square 1902.

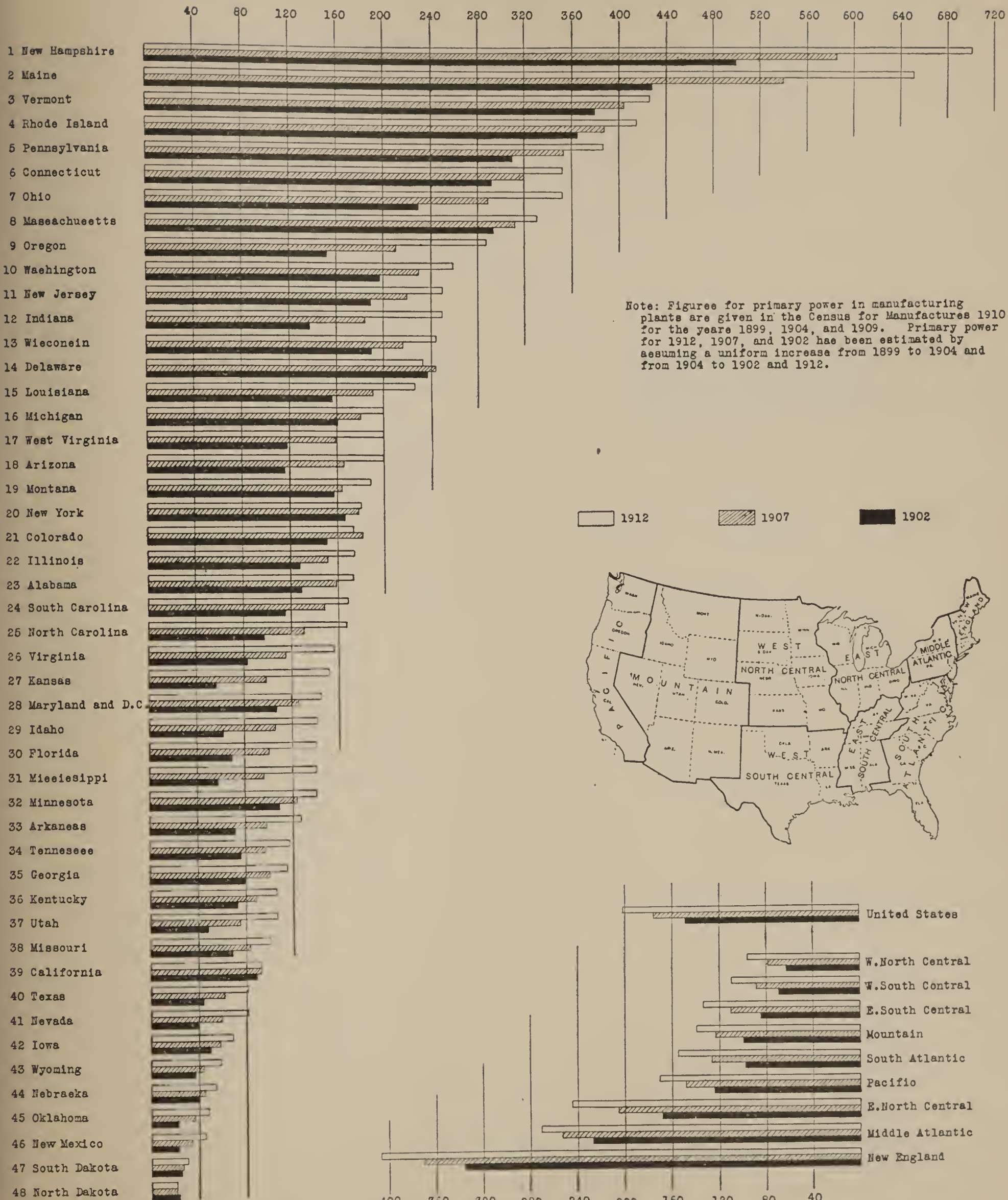


Scale:  
4,000,000hp





Primary Power Per Thouseand of Population in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Horse-Power



Note: Figures for primary power in manufacturing plants are given in the Census for Manufactures 1910, for the years 1899, 1904, and 1909. Primary power for 1912, 1907, and 1902 has been estimated by assuming a uniform increase from 1899 to 1904 and from 1904 to 1902 and 1912.

1912 1907 1902







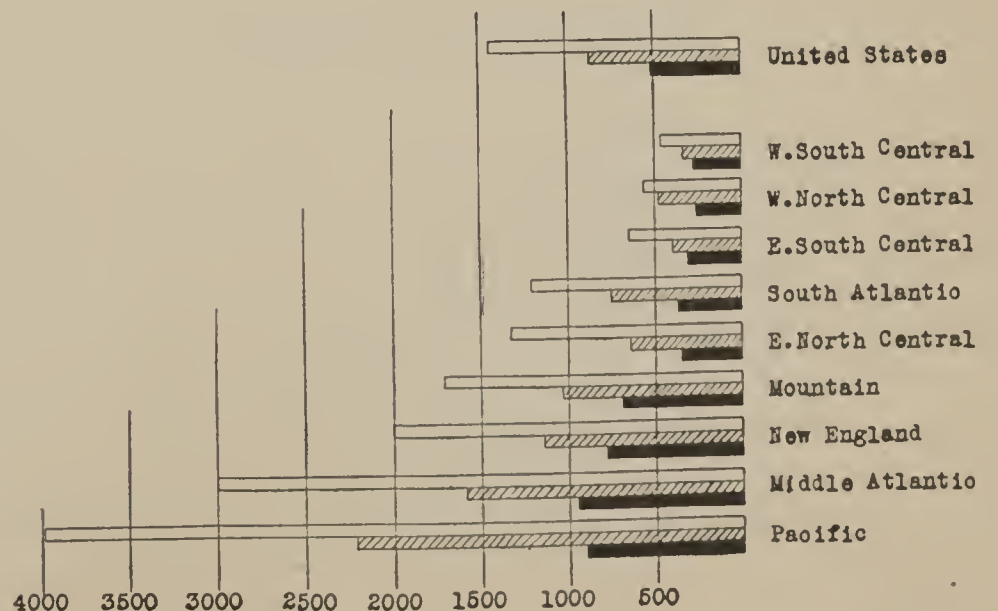
By States and by Geographic Divisions  
In Horse-Power

500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000

- 1 California
- 2 Rhode Island
- 3 Montana
- 4 New Jersey
- 5 New York
- 6 South Carolina
- 7 Massachusetts
- 8 Maryland and D.C.
- 9 Connecticut
- 10 Illinois
- 11 Pennsylvania
- 12 Nevada
- 13 Colorado
- 14 Michigan
- 15 Idaho
- 16 New Hampshire
- 17 Arizona
- 18 Washington
- 19 Utah
- 20 Maine
- 21 Ohio
- 22 Missouri
- 23 Indiana
- 24 Kentucky
- 25 Virginia
- 26 Vermont
- 27 Tennessee
- 28 Minnesota
- 29 West Virginia
- 30 Georgia
- 31 Oregon
- 32 North Carolina
- 33 Florida
- 34 Wyoming
- 35 Wisconsin
- 36 Kansas
- 37 Louisiana
- 38 New Mexico
- 39 Alabama
- 40 Texas
- 41 Oklahoma
- 42 North Dakota
- 43 Mississippi
- 44 South Dakota
- 45 Arkansas
- 46 Iowa
- 47 Delaware
- 48 Nebraska

Note: The reduction from 1907 to 1912 in the State of Oregon arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light and Power Company as Central Stations in 1907 and as Electric Railway Stations in 1912. These stations should properly have been classified as Central Stations in 1912.

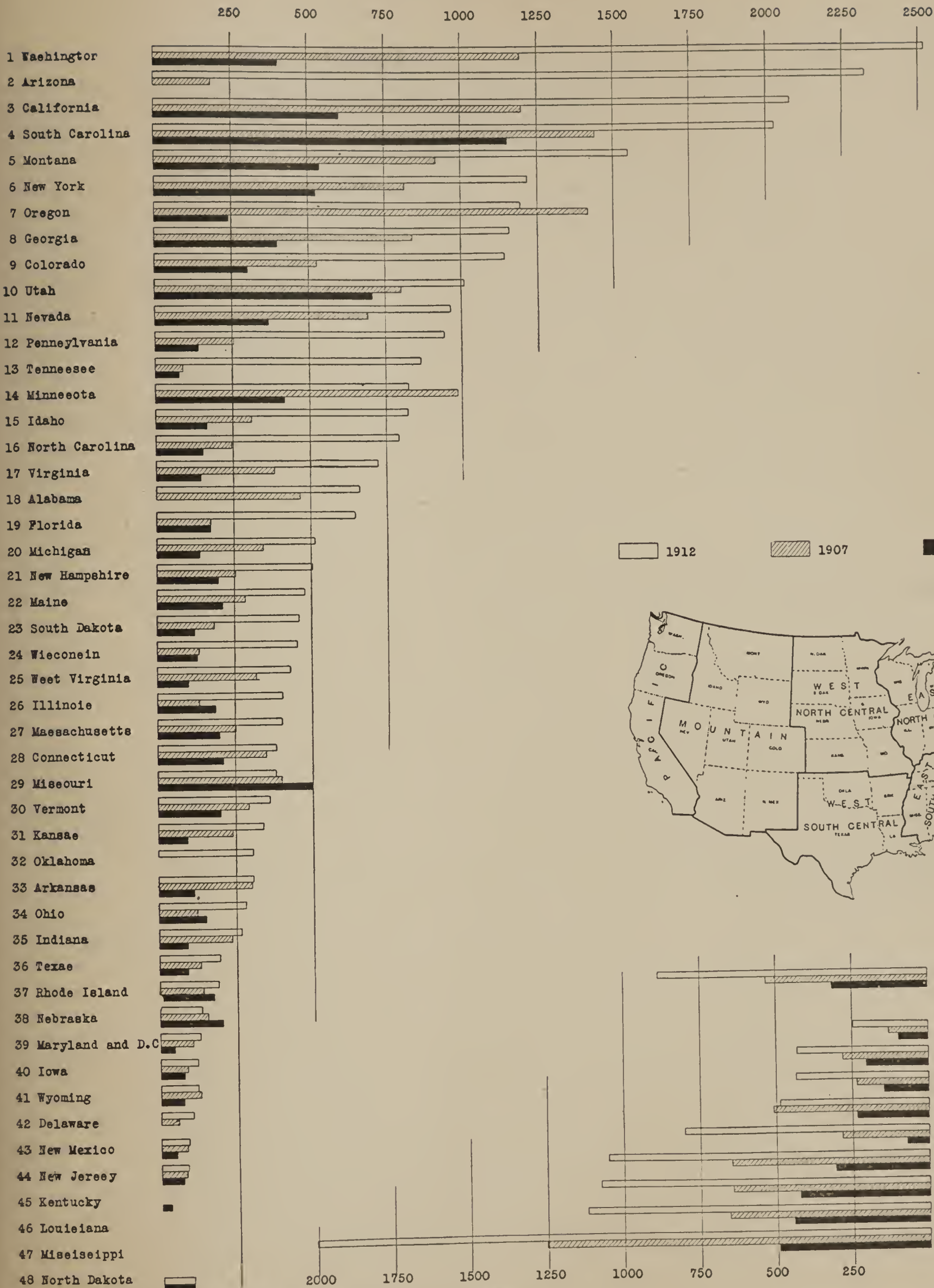
1912 1907 1902



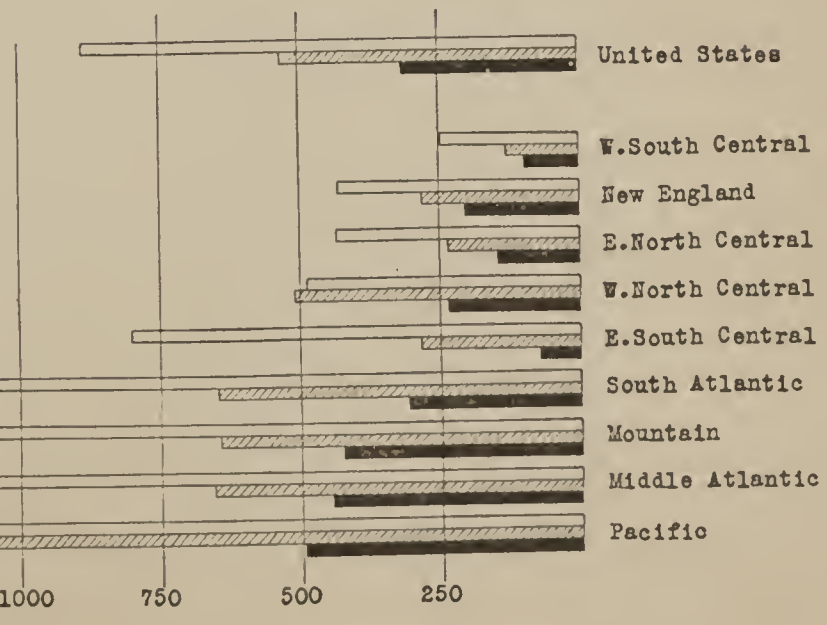




Commercial and Municipal Central Stations and Street and Electric Railways  
By State and by Geographic Division  
In Horse-Power



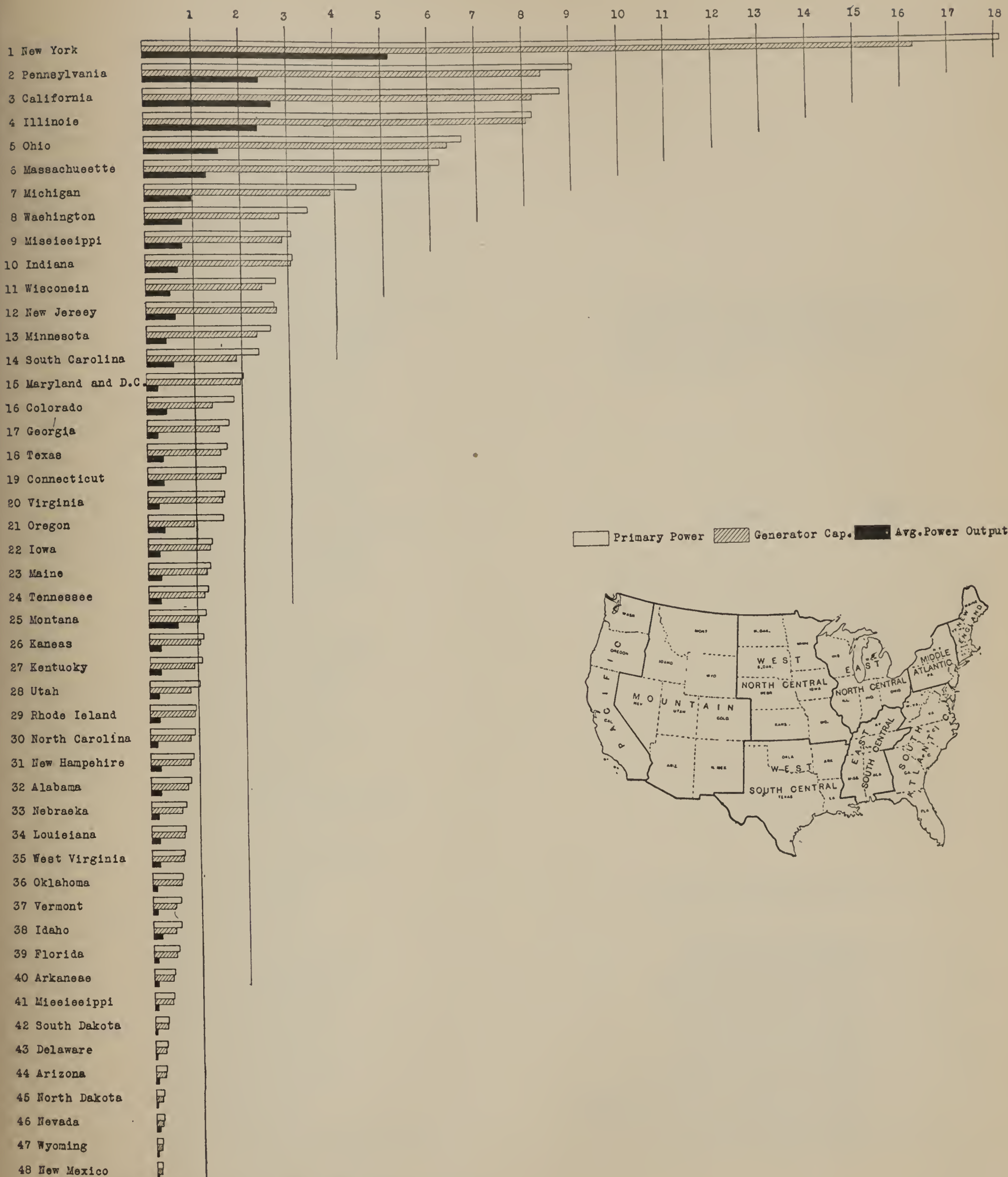
1912 1907 1902







In Commercial and Municipal Central Stations and Street and Electric Railways  
By States and by Geographic Divisions  
In Hundreds of Thousands of Horse-Power



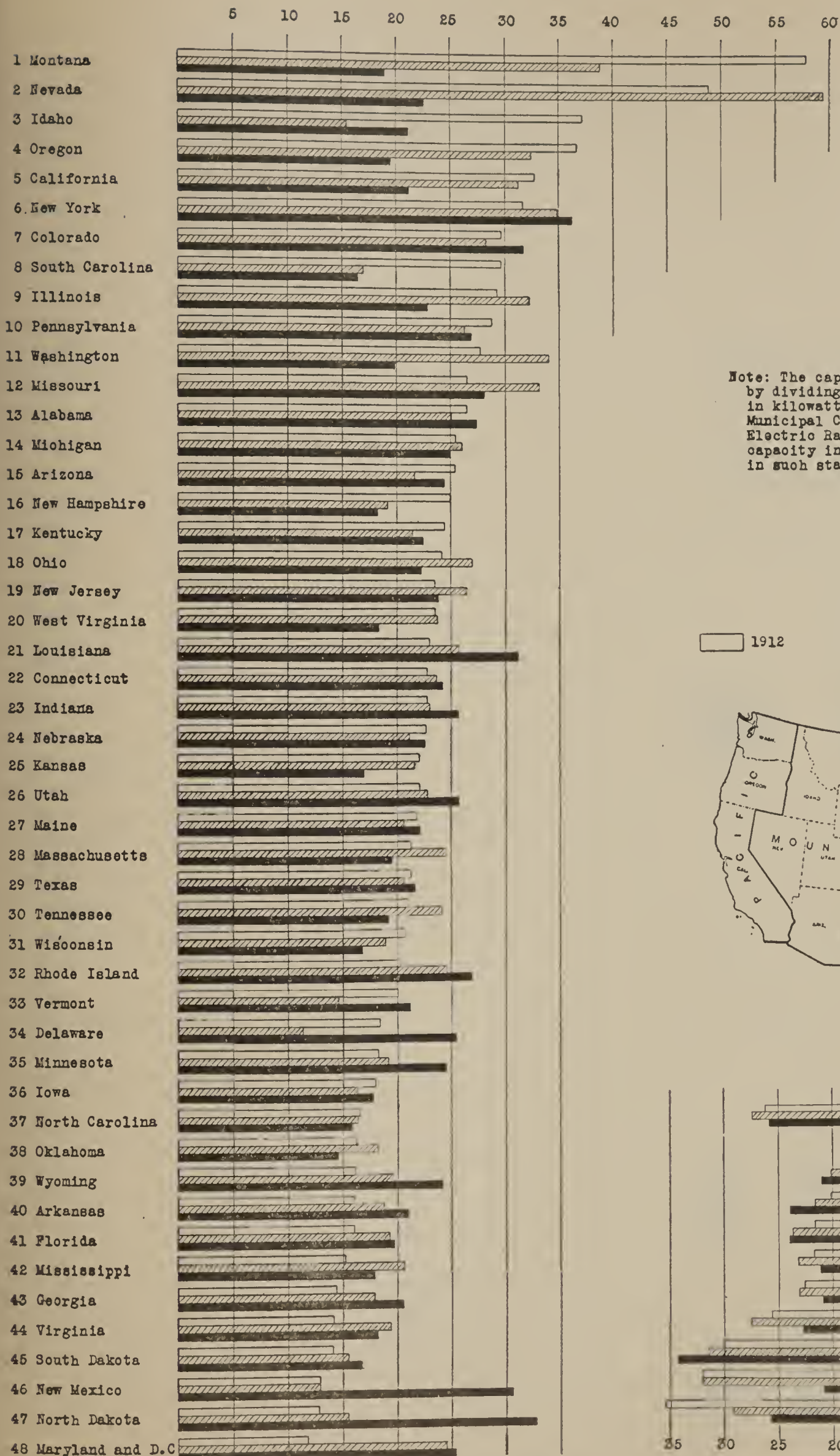
Primary Power Generator Cap. Avg. Power Output





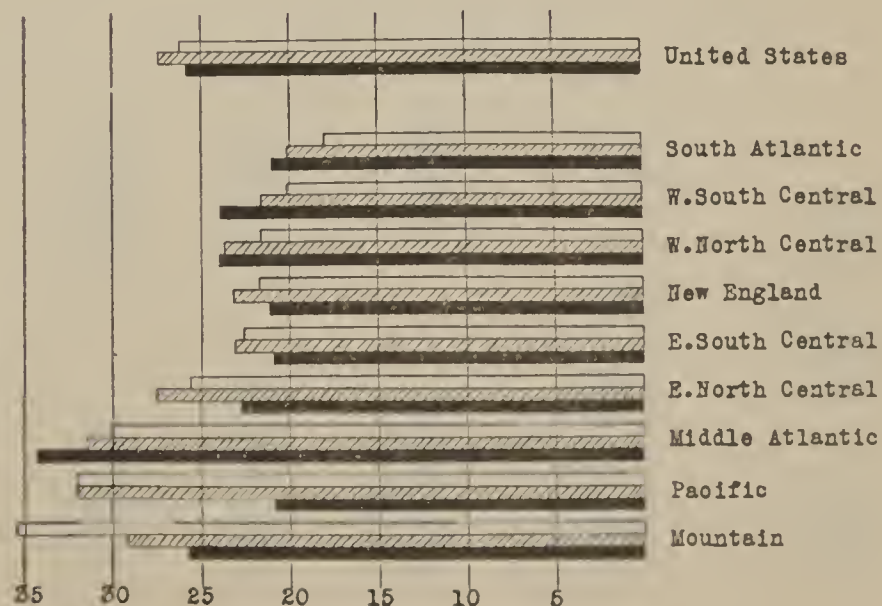


Commercial and Municipal Central Stations and Street and Electric Railways  
By States and by Geographic Divisions  
In Per Cent



Note: The capacity load factors have been computed by dividing the combined average annual output in kilowatt-years of the Commercial and Municipal Central Stations and the Street and Electric Railway Stations by the combined capacity in kilowatts of the electric generators in such stations.

1912 1907 1902







Electric Power Generated in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Thousands of Horse-Power Years

0 40 80 120 160 200 240 280 320 360 400 440 480 520 560 600 640 680

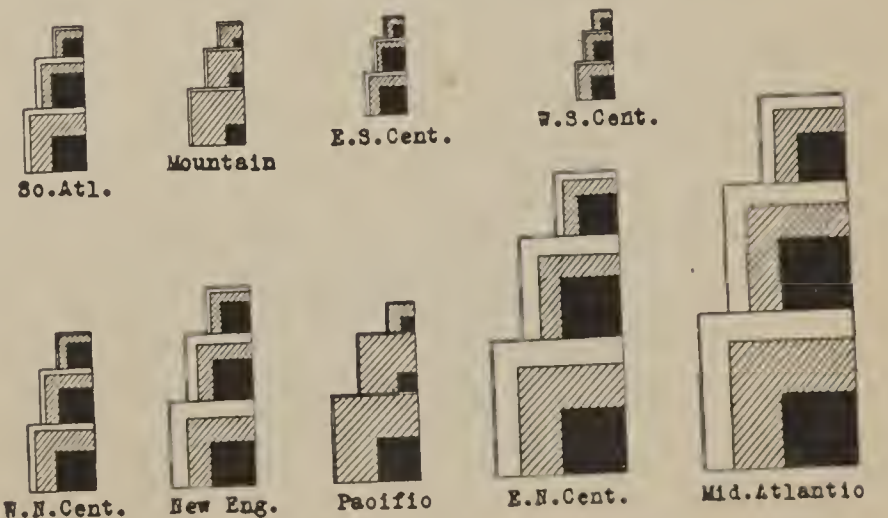
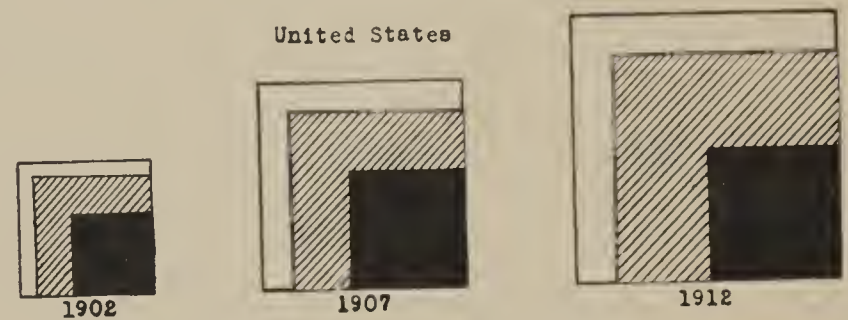
- 1 New York
- 2 Pennsylvania
- 3 Illinois
- 4 California
- 5 Ohio
- 6 Massachusetts
- 7 Indiana
- 8 Michigan
- 9 New Jersey
- 10 Missouri
- 11 Washington
- 12 Wisconsin
- 13 South Carolina
- 14 Montana
- 15 Connecticut
- 16 Minnesota
- 17 Colorado
- 18 Texas
- 19 Oregon
- 20 Kansas
- 21 Maine
- 22 Alabama
- 23 Kentucky
- 24 Iowa
- 25 New Hampshire
- 26 Tennessee
- 27 Maryland and D.C.
- 28 Virginia
- 29 Rhode Island
- 30 Georgia
- 31 West Virginia
- 32 Louisiana
- 33 Utah
- 34 North Carolina
- 35 Idaho
- 36 Nebraska
- 37 Vermont
- 38 Oklahoma
- 39 Nevada
- 40 Arizona
- 41 Florida
- 42 Arkansas
- 43 Delaware
- 44 Mississippi
- 45 South Dakota
- 46 North Dakota
- 47 Wyoming
- 48 New Mexico

NOTE:

The upper line for each State represents power generated in 1912, the middle line in 1907, the lower line in 1902. Similarly for the Geographic Divisions the lower square represents power generated in 1912, the middle square in 1907, and the upper square in 1902.

No direct figures are available for electric power generated in Manufacturing Plants. Generator capacities by States for the years 1899, 1904 and 1909, are given in the Census of Manufactures for 1910. Electric power generated has been estimated by assuming that the ratio between power generated and generator capacity in Manufacturing Plants is the same as in Central Stations and Electric Railways, and that the generator capacities, by States, of Manufacturing Plants, increased uniformly from 1899 to 1904 and from 1904 to 1909 and 1912.

Manufactures Cent. Stations Elec. Railways

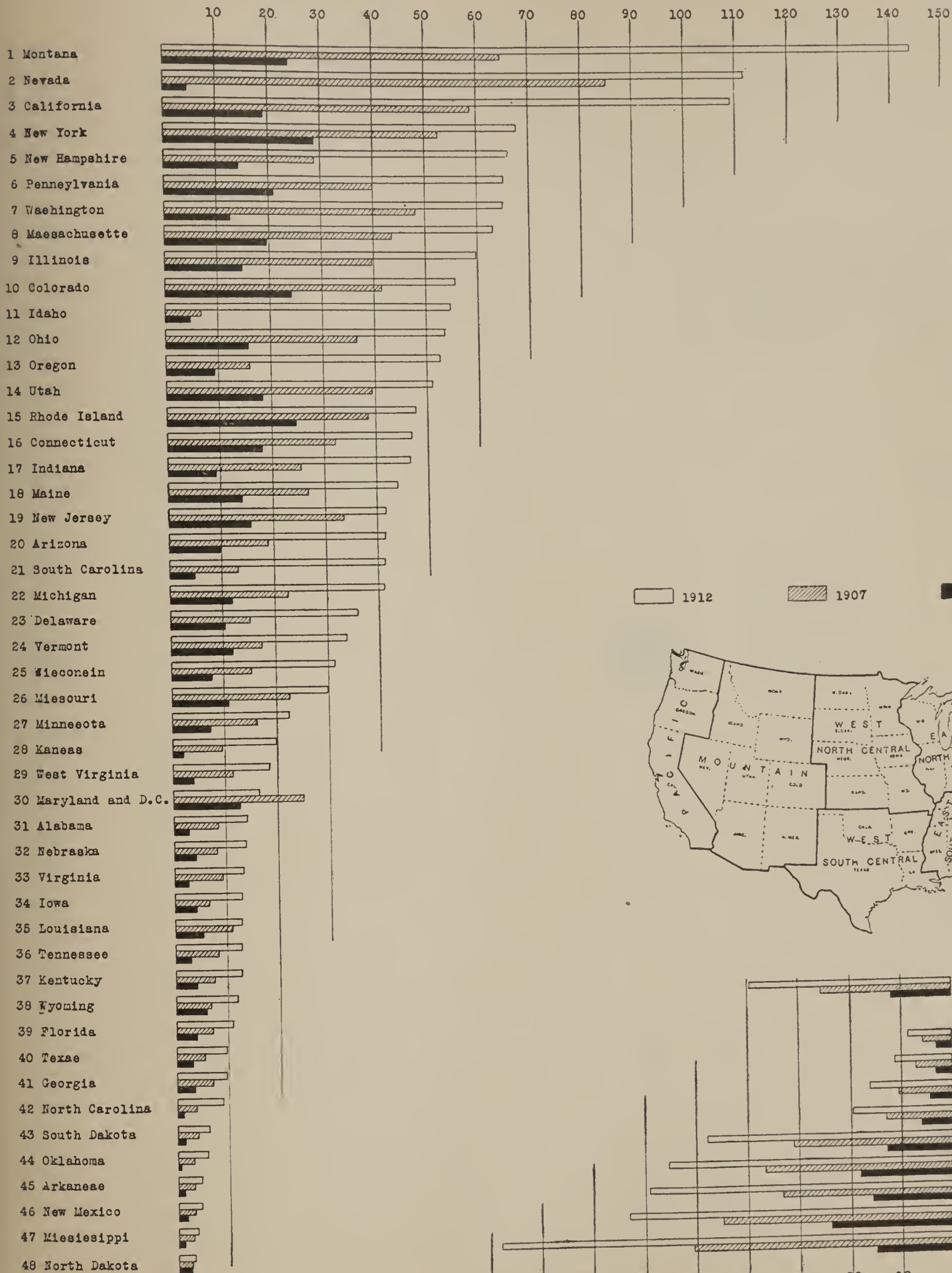


Scale:  
1,000,000  
hp. yrs

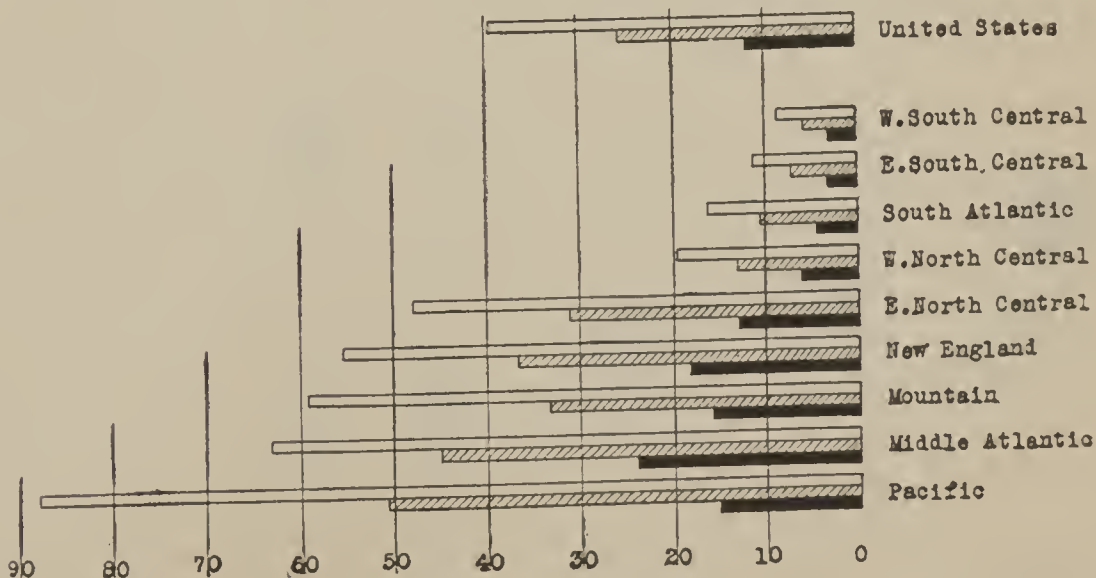




Electric Power Generated in 1912, 1907 and 1902, Per Thousand of Population  
By States and by Geographic Divisions  
In Horse-Power Years



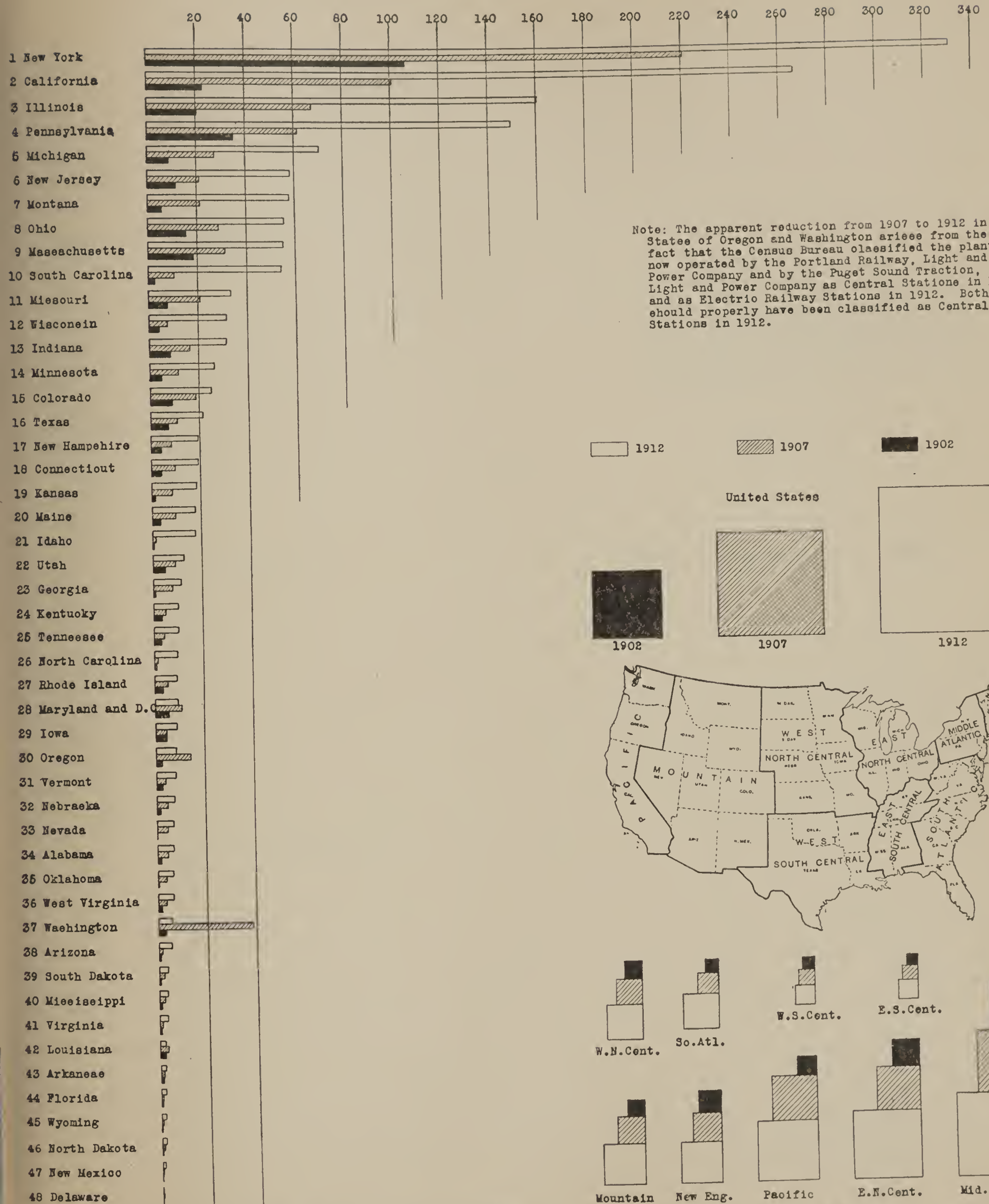
1912 1907 1902







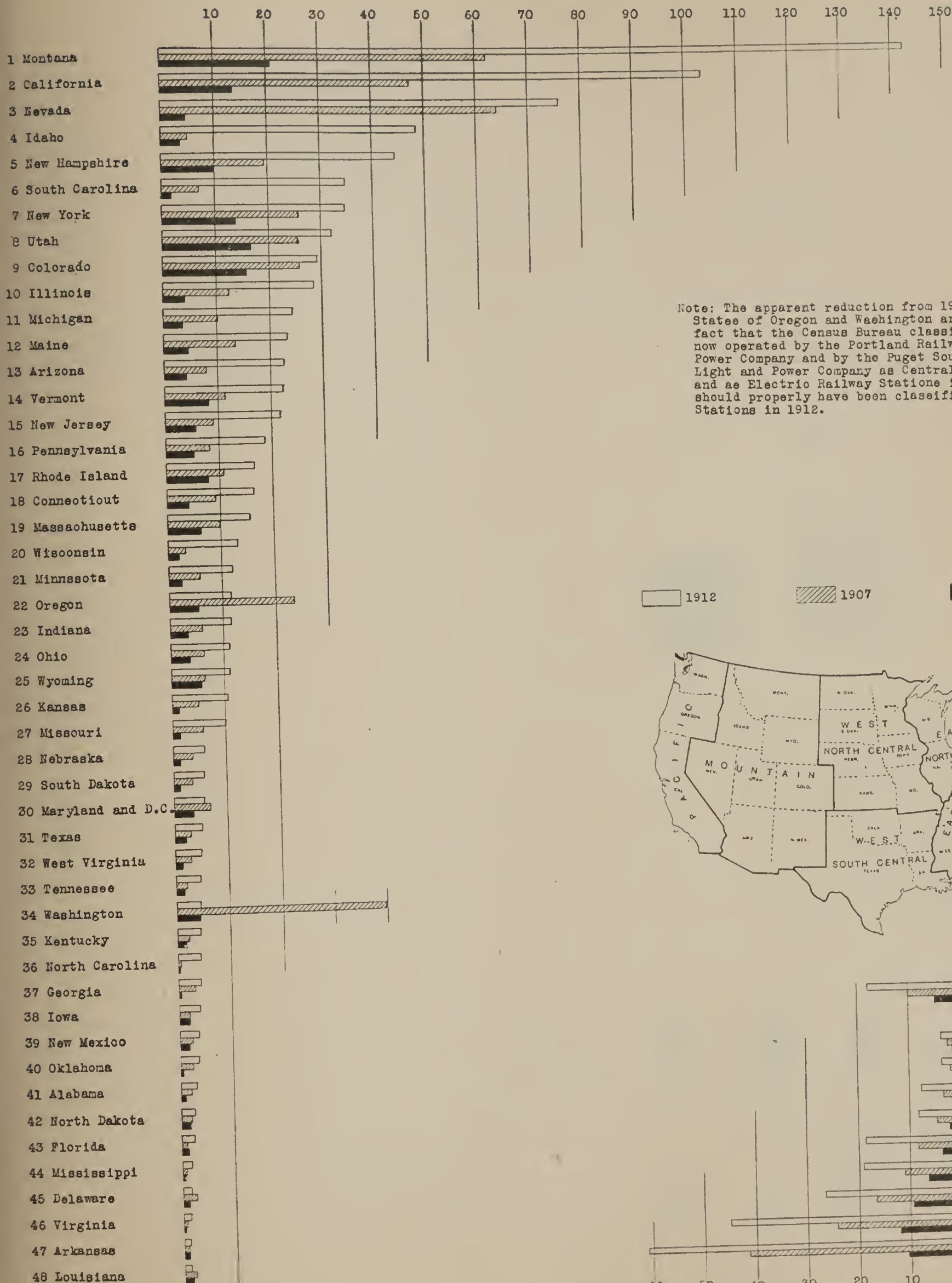
Electric Power Generated in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Thousands of Horse-Power Years





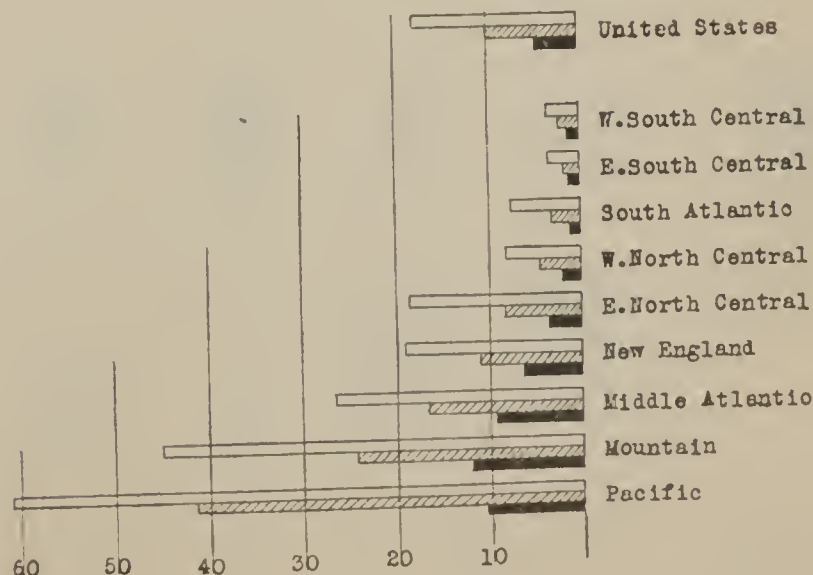


Electric Power Generated in 1912, 1907 and 1902, Per Thousand of Population  
By States and by Geographic Divisions  
In Horse-Power Years



Note: The apparent reduction from 1907 to 1912 in the States of Oregon and Washington arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light and Power Company and by the Puget Sound Traction, Light and Power Company as Central Stations in 1907 and as Electric Railway Stations in 1912. Both should properly have been classified as Central Stations in 1912.

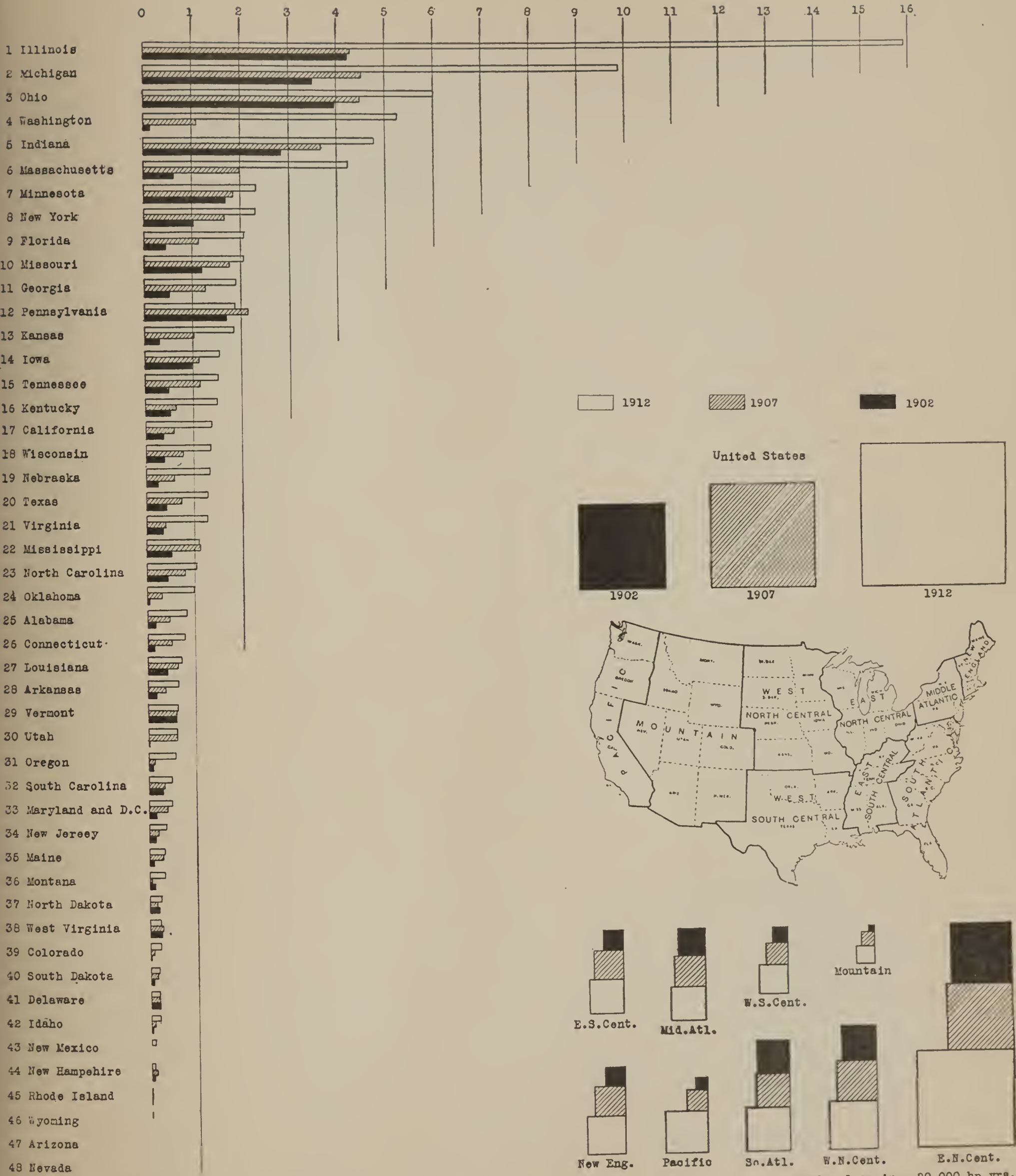
1912 1907 1902







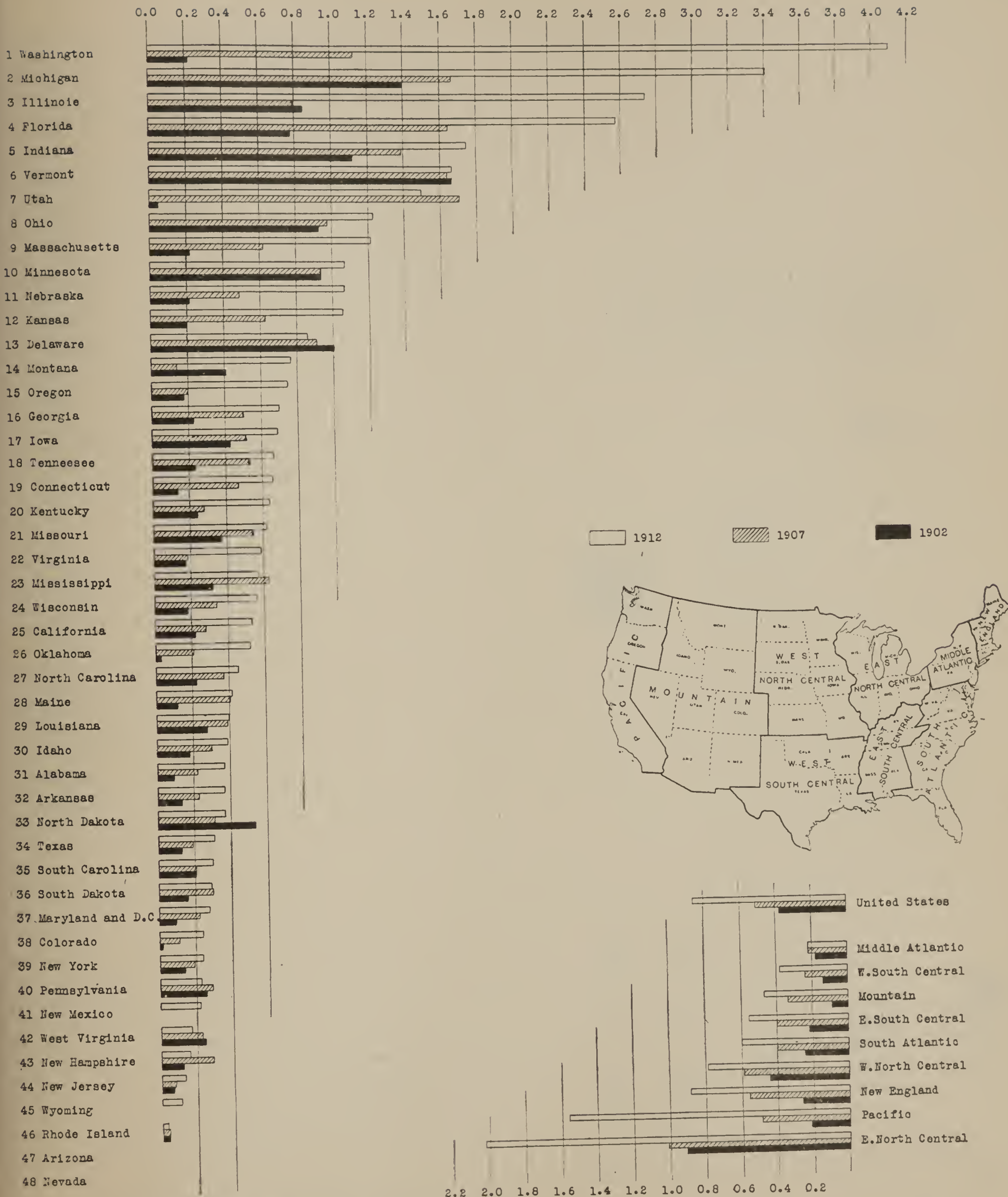
Electric Power Generated in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Thousands of Horse-Power Years







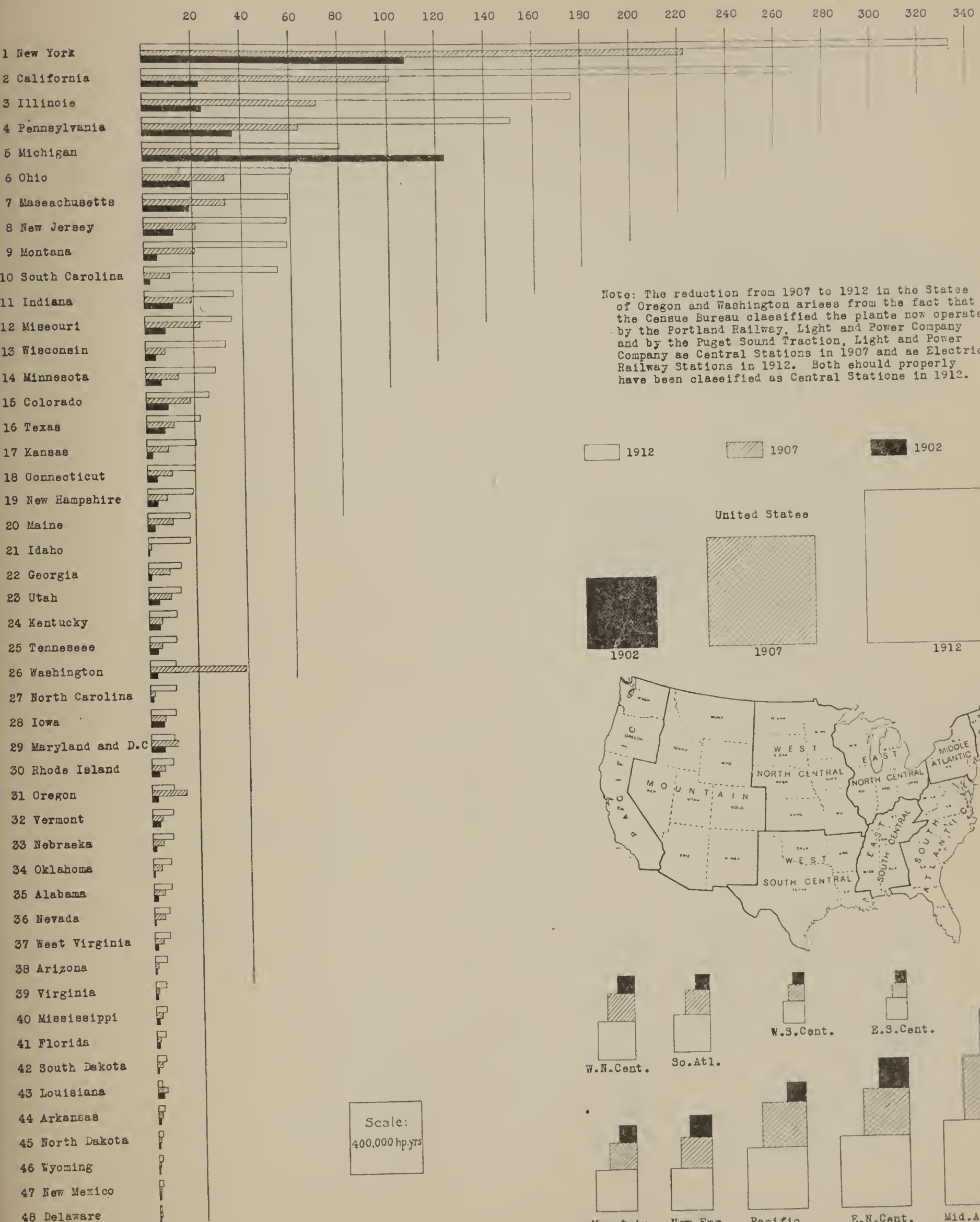
Electric Power Generated in 1912, 1907 and 1902, Per Thousand of Population  
By State and by Geographic Divisions  
In Horse-Power Years



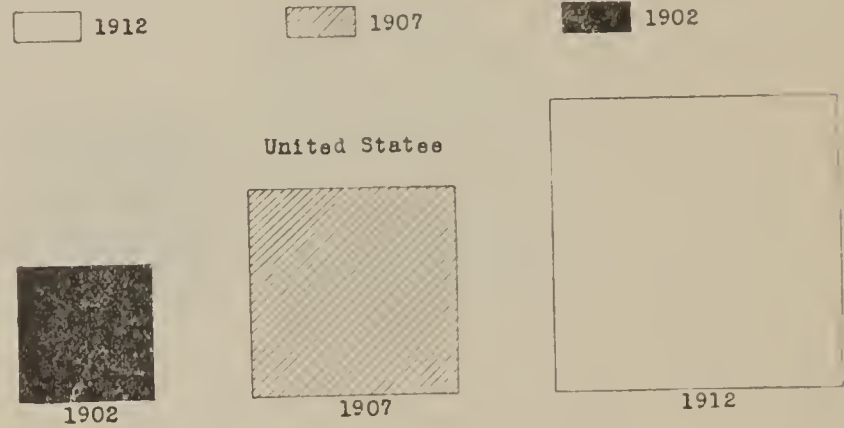




Electric Power Generated in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Thousands of Horse-Power Years



Note: The reduction from 1907 to 1912 in the States of Oregon and Washington arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light and Power Company and by the Puget Sound Traction, Light and Power Company as Central Stations in 1907 and as Electric Railway Stations in 1912. Both should properly have been classified as Central Stations in 1912.

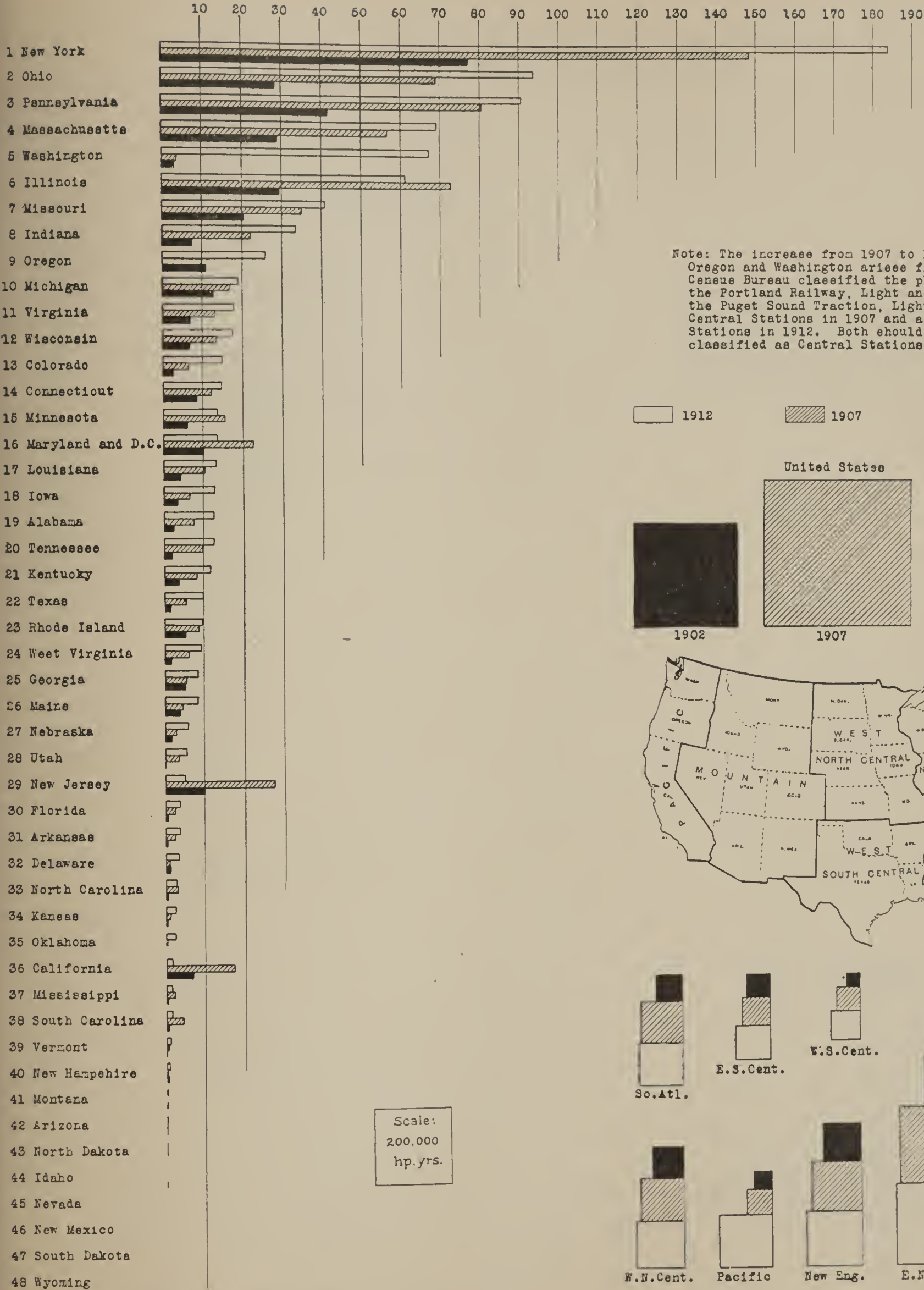


Scale:  
400,000 hp.yrs

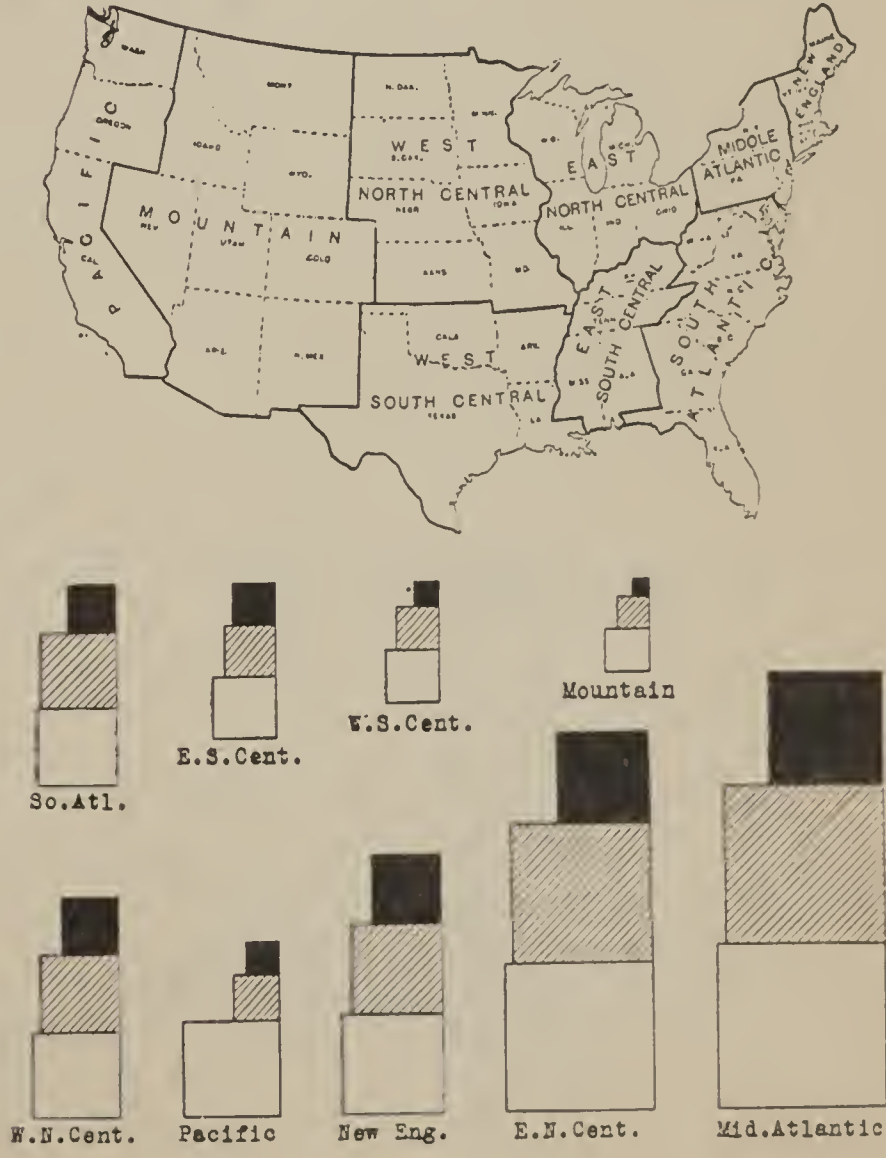
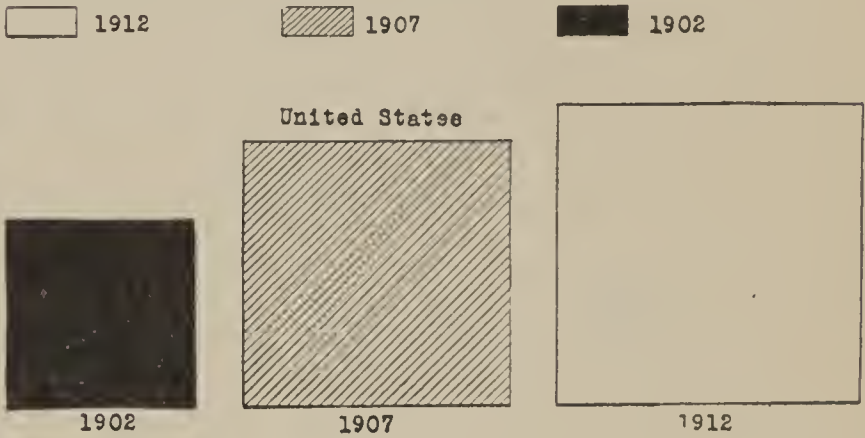




Electric Power Generated in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Thousands of Horse-Power Years



Note: The increase from 1907 to 1912 in the States of Oregon and Washington arises from the fact that the Census Bureau classified the plants now operated by the Portland Railway, Light and Power Company and by the Puget Sound Traction, Light and Power Company as Central Stations in 1907 and as Electric Railway Stations in 1912. Both should properly have been classified as Central Stations in 1912.

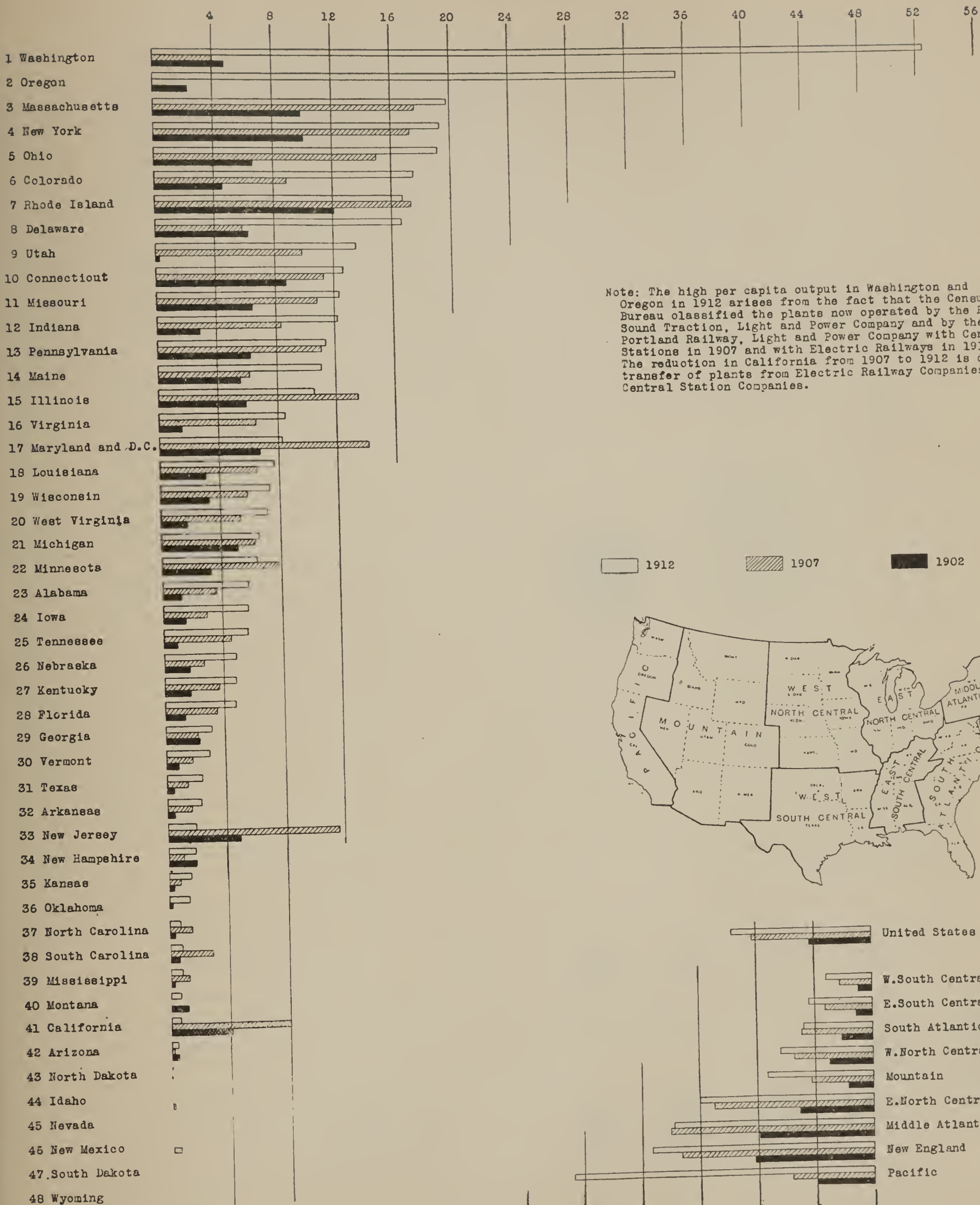


Scale:  
200,000  
hp.yrs.





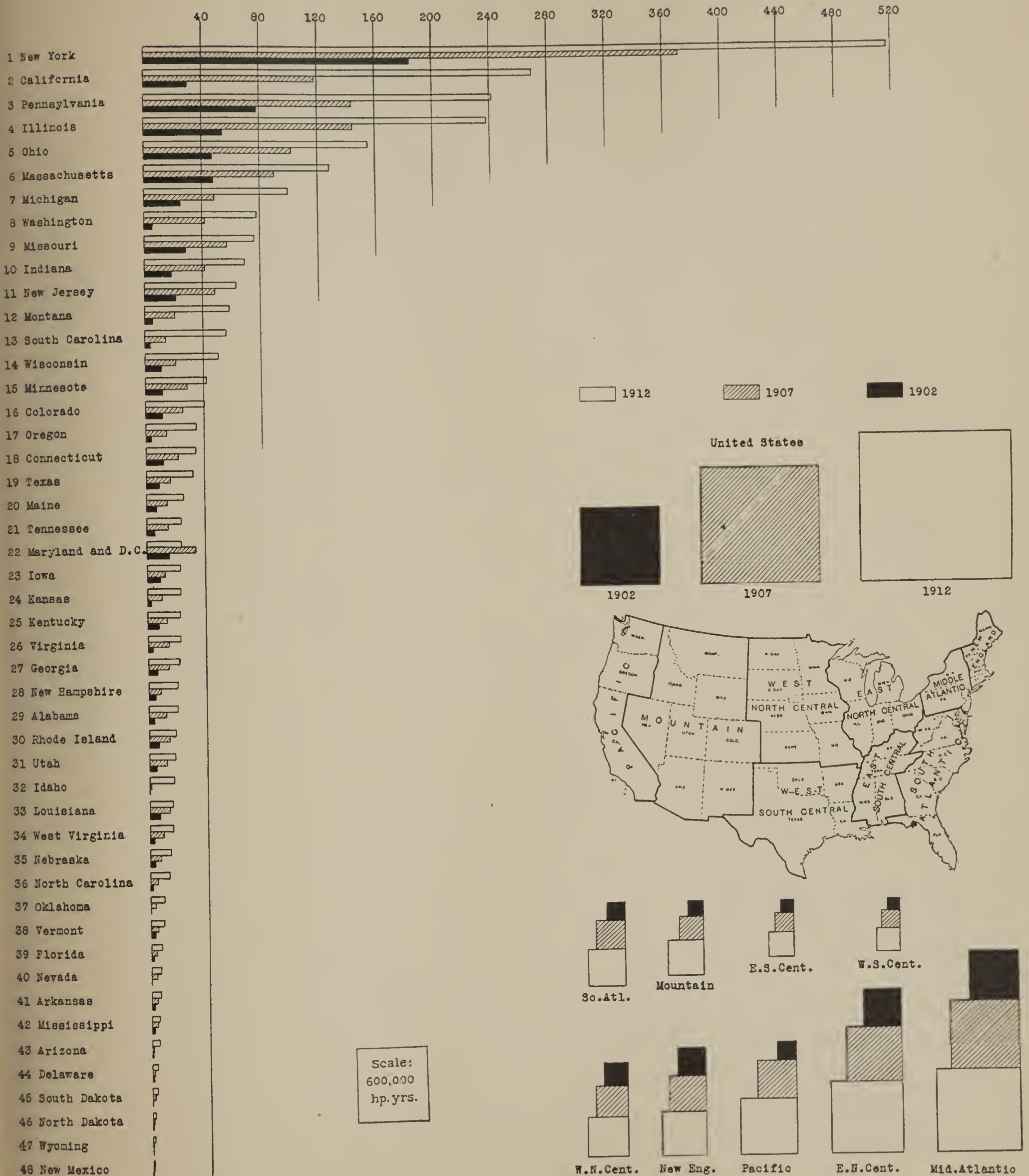
Electric Power Generated in 1912, 1907 and 1902, Per Thousand of Population  
By States and by Geographic Divisions  
In Horse-Power Years







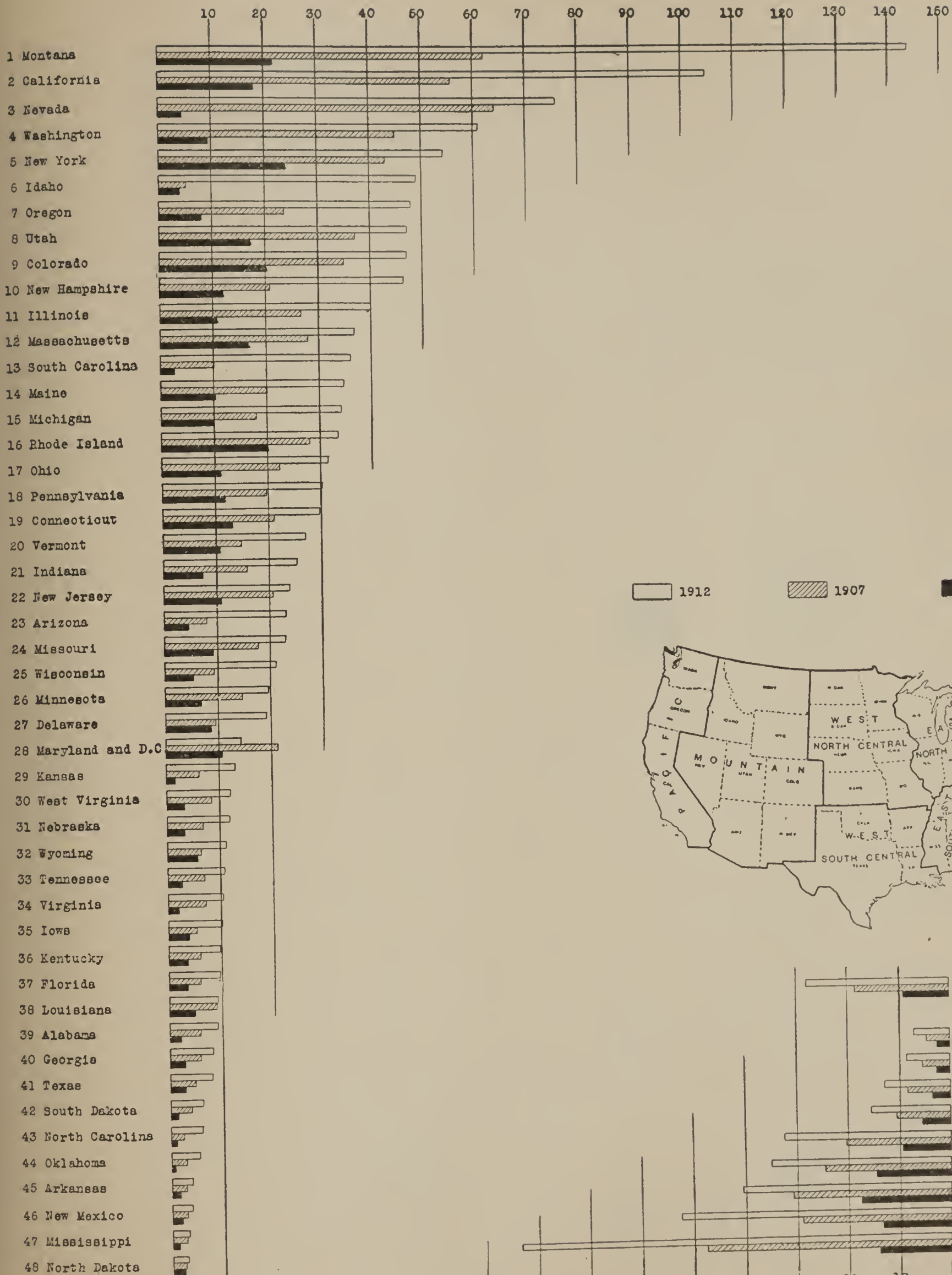
Electric Power Generated in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Thousands of Horse-Power Years



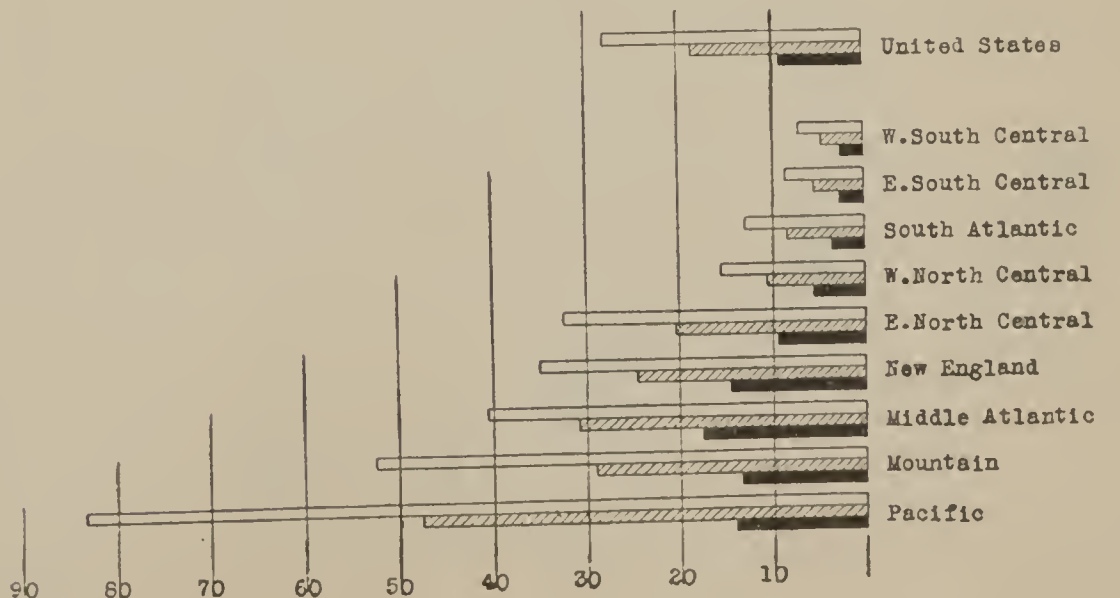




Electric Power Generated in 1912, 1907 and 1902  
Per Thousand of Population  
By States and by Geographic Divisions  
In Horse-Power Years



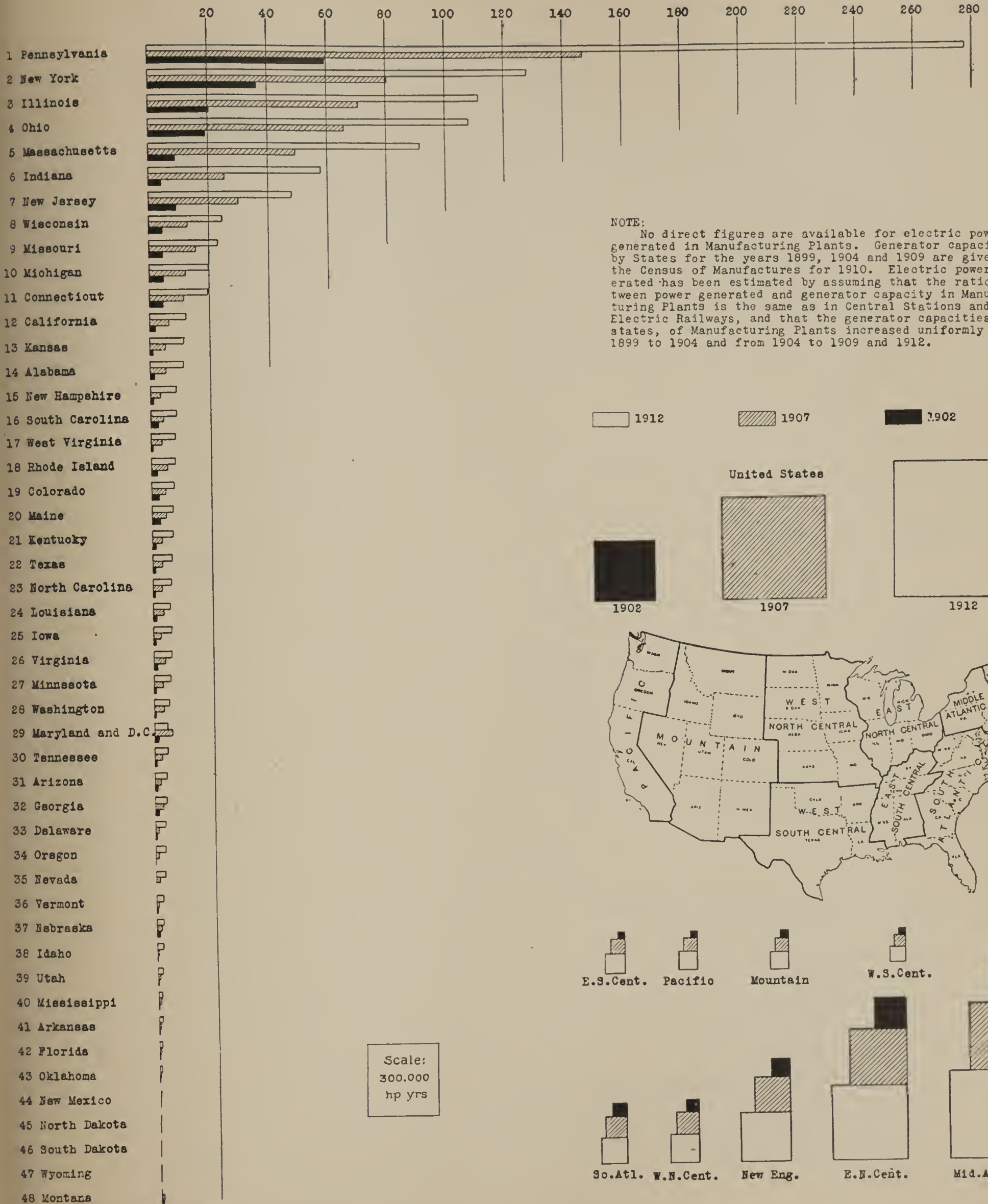
1912 1907 1902







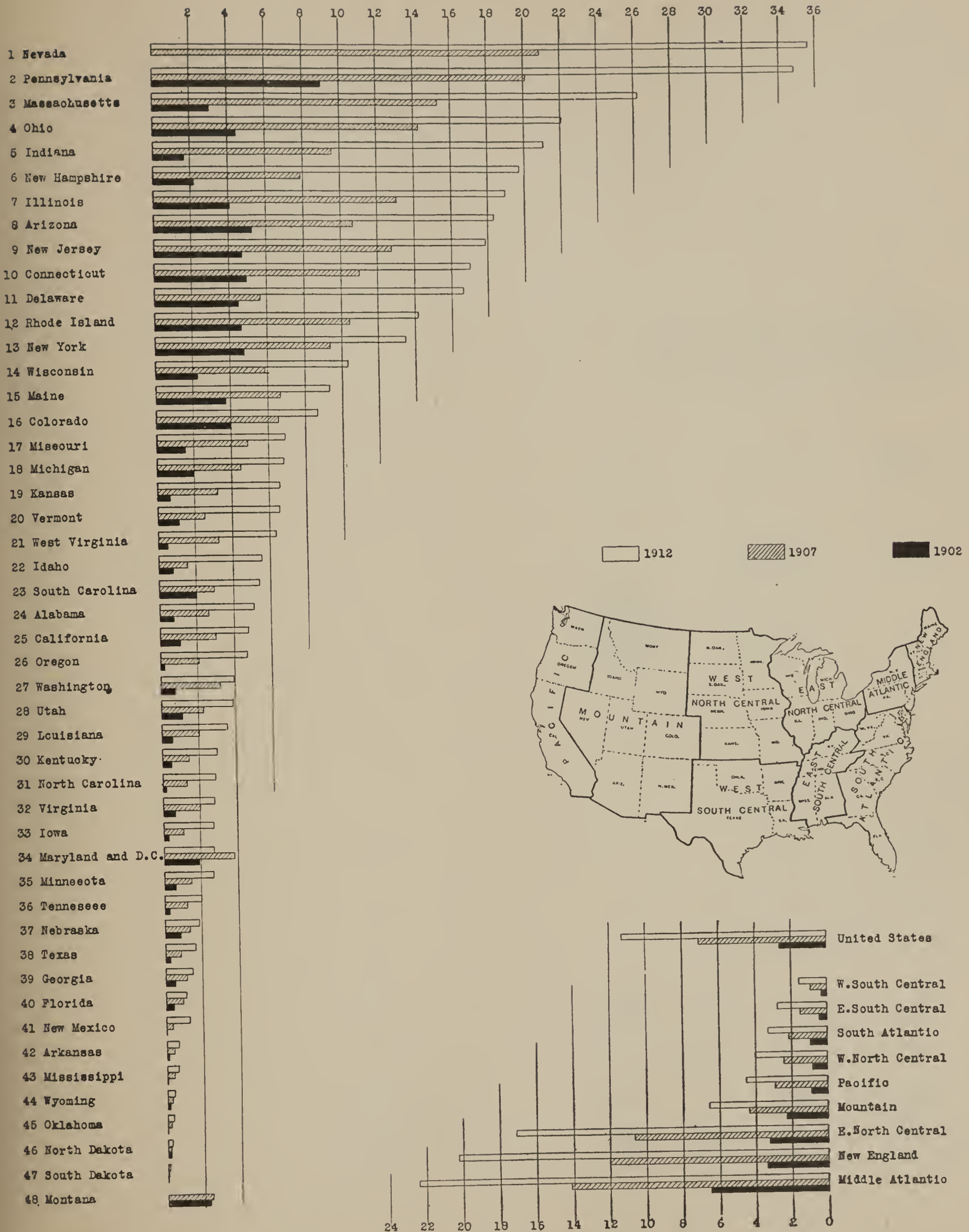
Electric Power Generated in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Thousands of Horse-Power Years







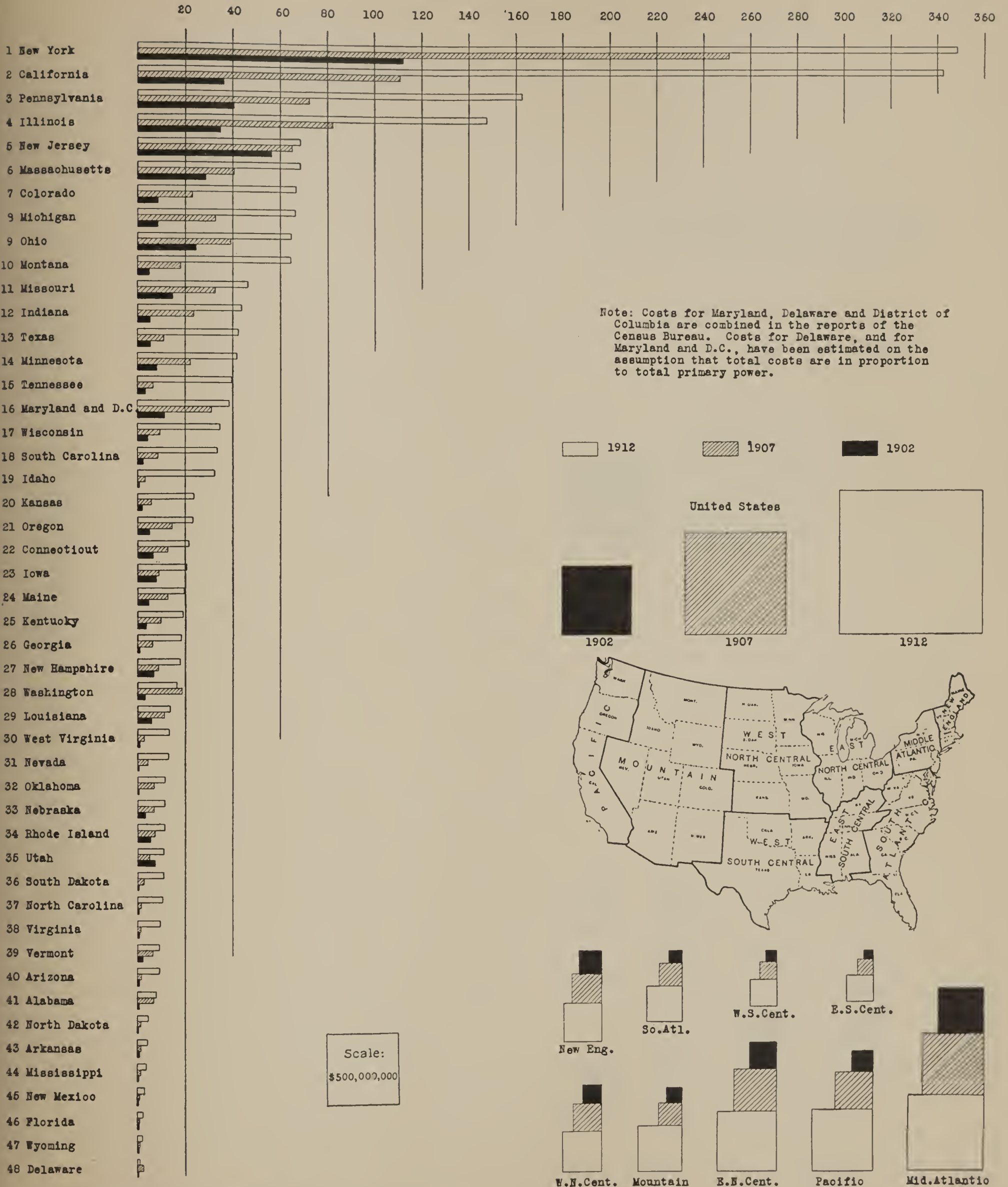
Electric Power Generated in 1912, 1907 and 1902, Per Thousand of Population  
By States and by Geographic Divisions  
In Horse-Power Years







Cost of Construction and of Real Estate, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Millions of Dollars





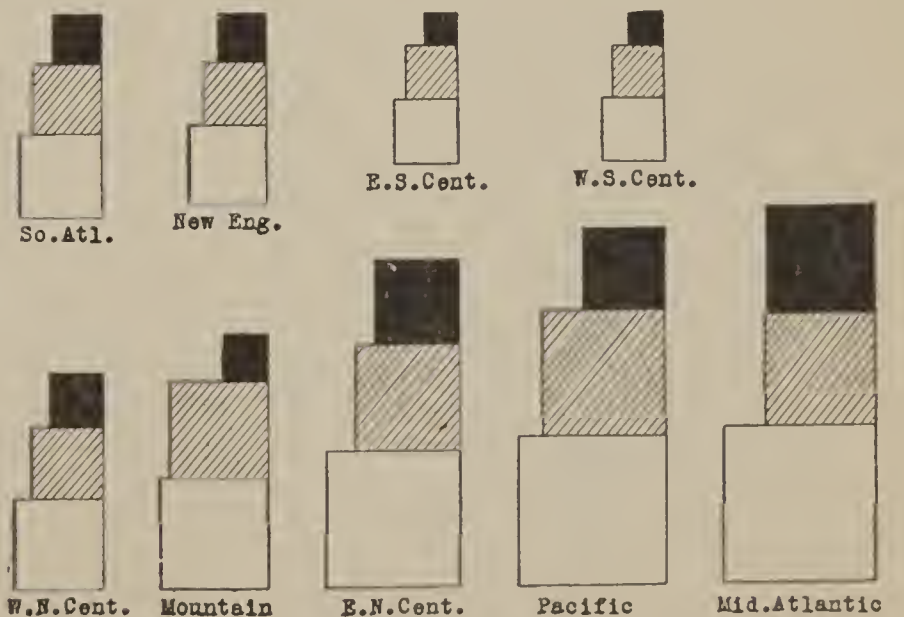
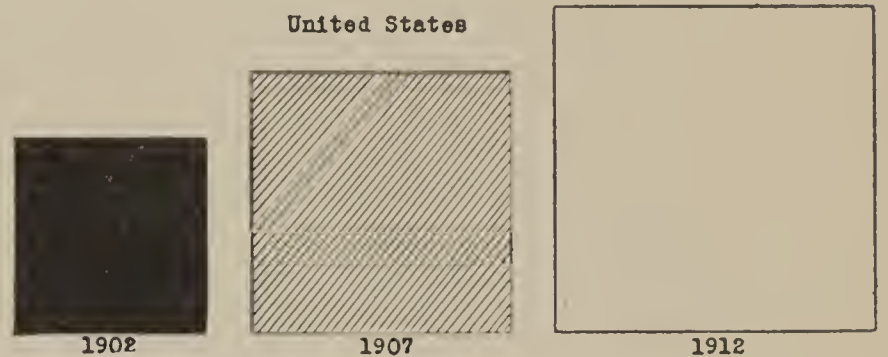


Increase in Cost of Construction and of Real Estate, 1902 to 1912, 1907 to 1912, and 1902 to 1907  
By States and by Geographic Divisions  
In Millions of Dollars



Note: Costs for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Costs for Delaware, and for Maryland and D. C., have been estimated on the assumption that total costs are in proportion to total primary power.

1902 to 1912 1907 to 1912 1902 to 1907

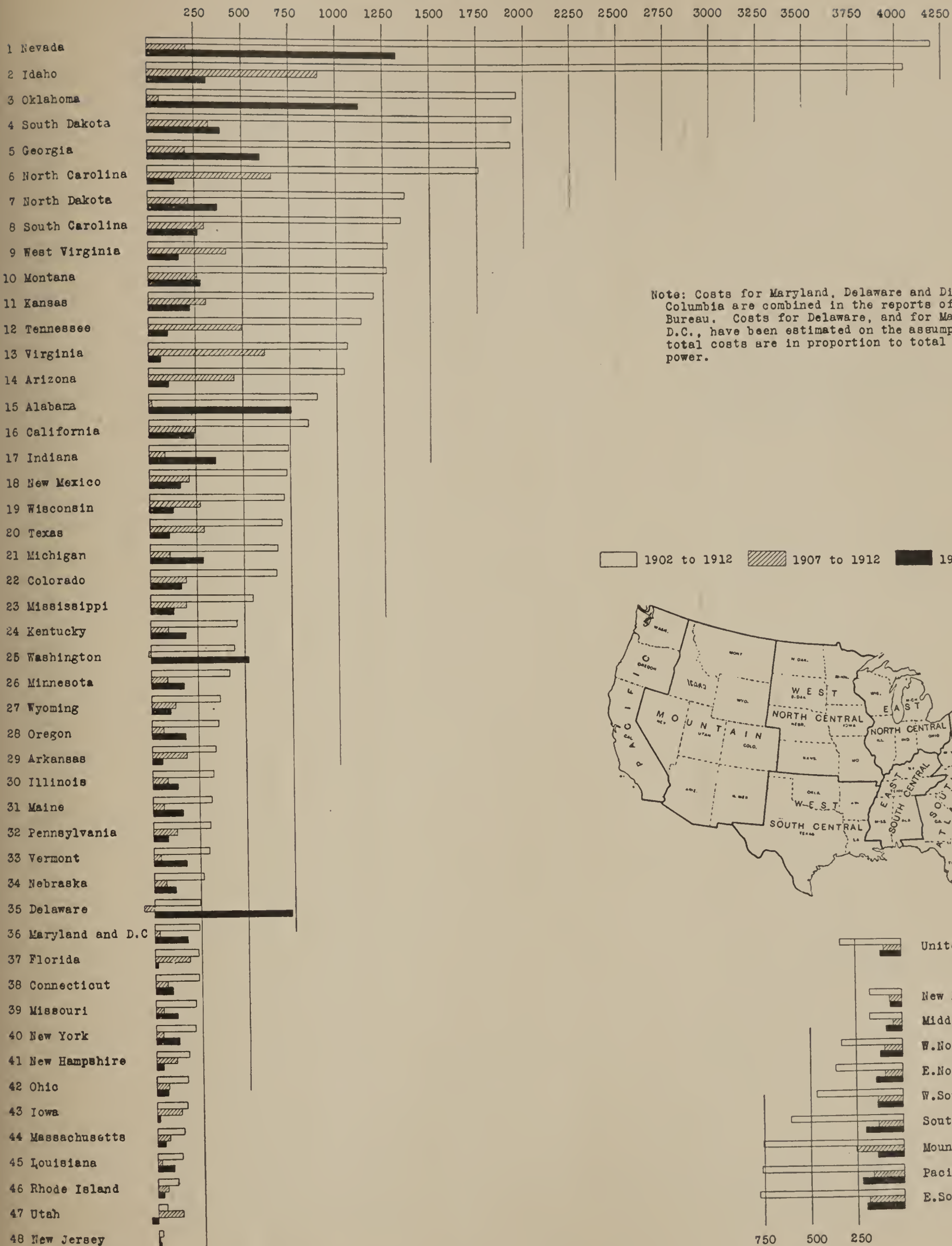


Scale:  
\$300,000,000



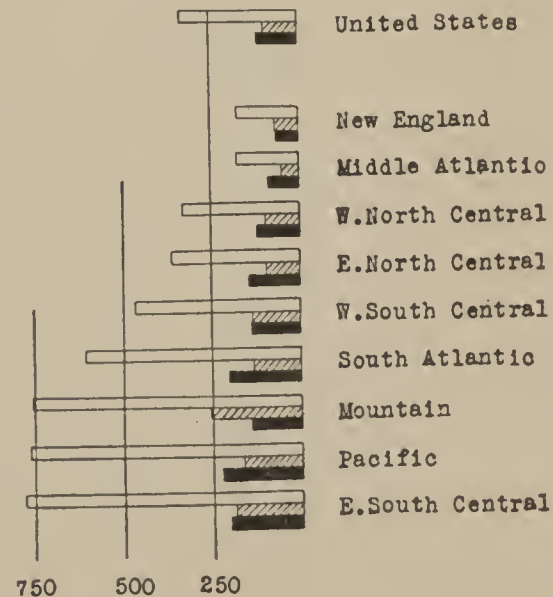


Percentage Increase in Cost of Construction and of Real Estate  
1902 to 1912, 1907 to 1912, and 1902 to 1907  
By States and by Geographic Divisions



Note: Costs for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Costs for Delaware, and for Maryland and D.C., have been estimated on the assumption that total costs are in proportion to total primary power.

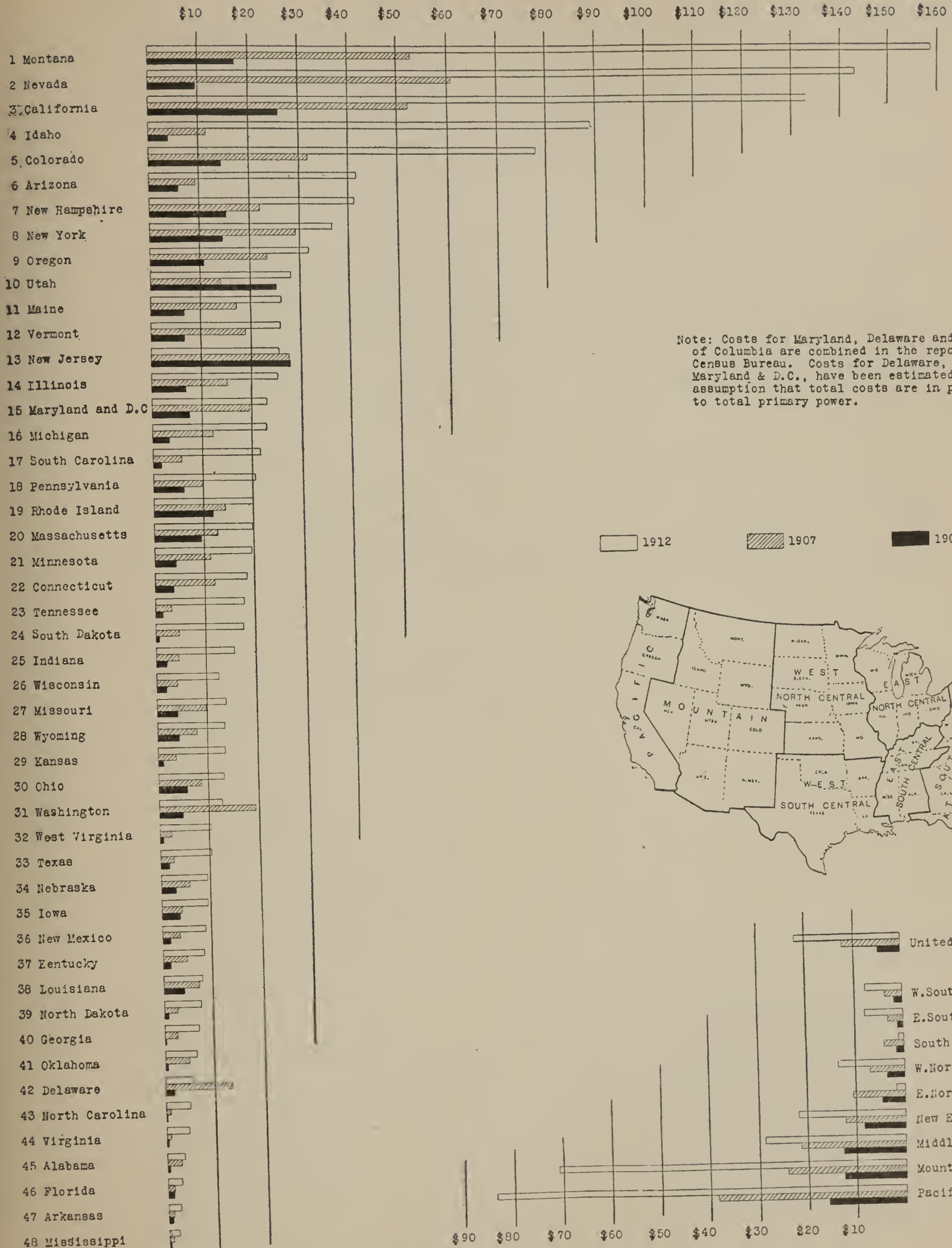
1902 to 1912 1907 to 1912 1902 to 1907







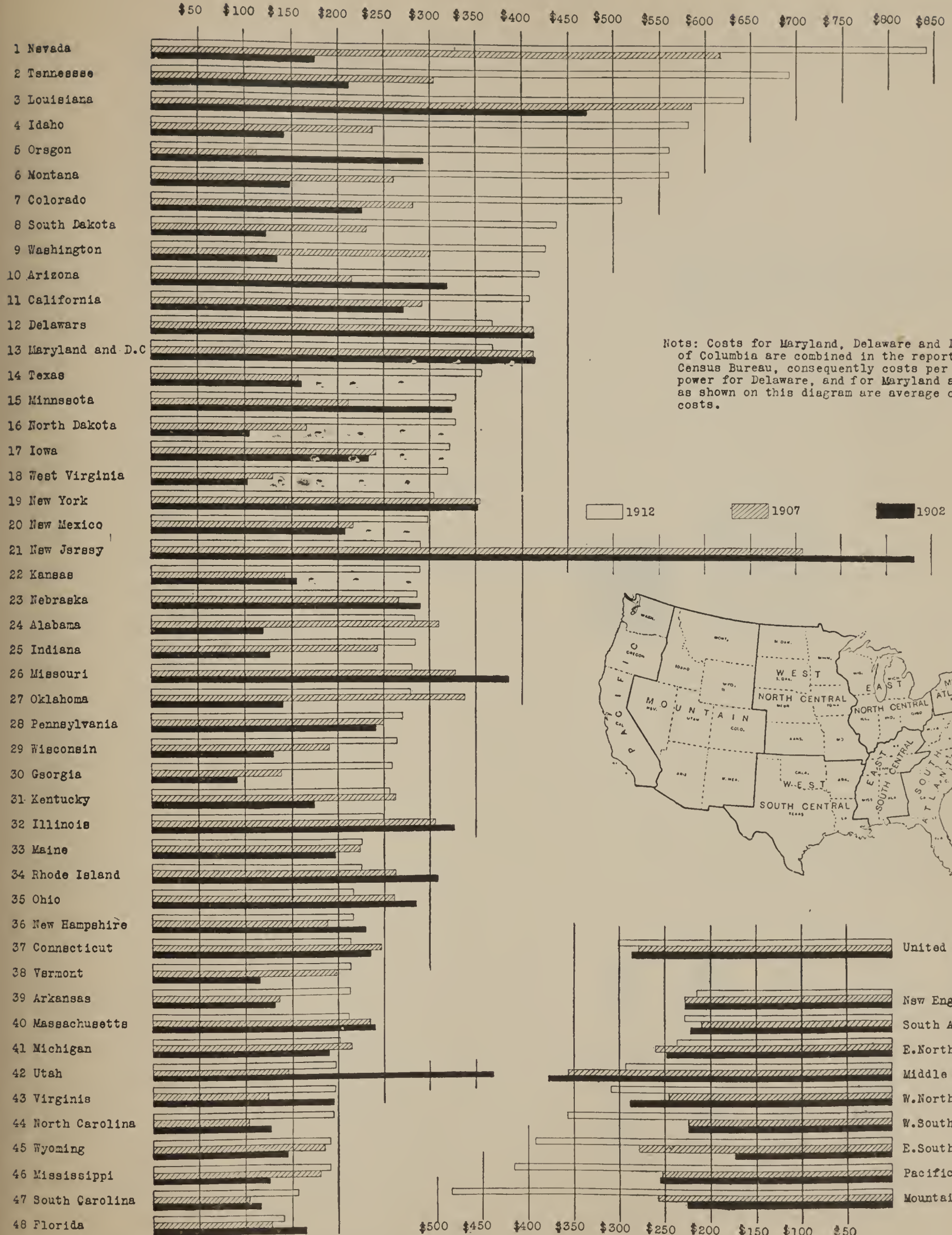
Cost of Construction and of Real Estate, Per Capita, up to 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures







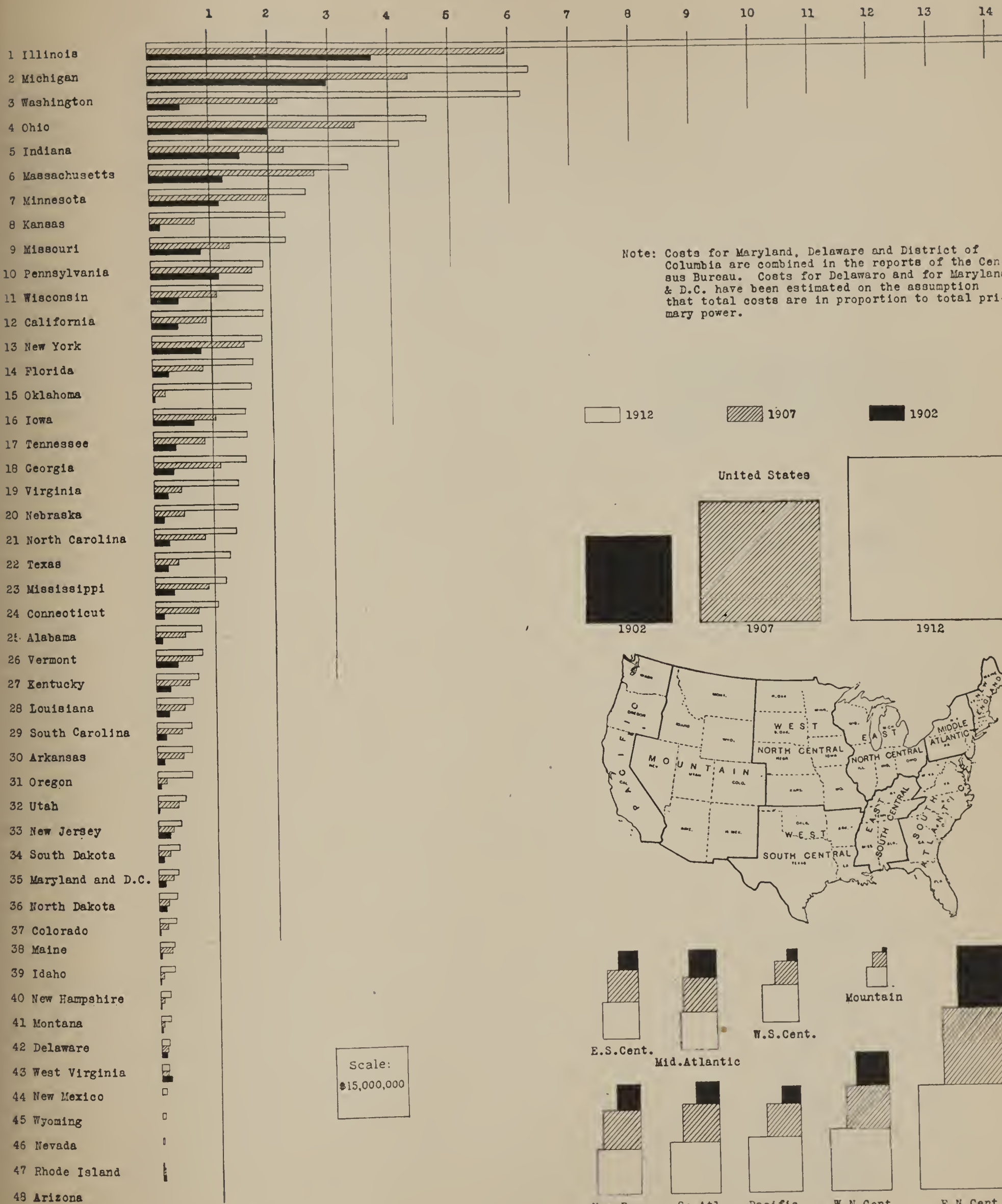
Cost of Construction and of Real Estate, Per Horse-Power of Primary Power, up to 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures







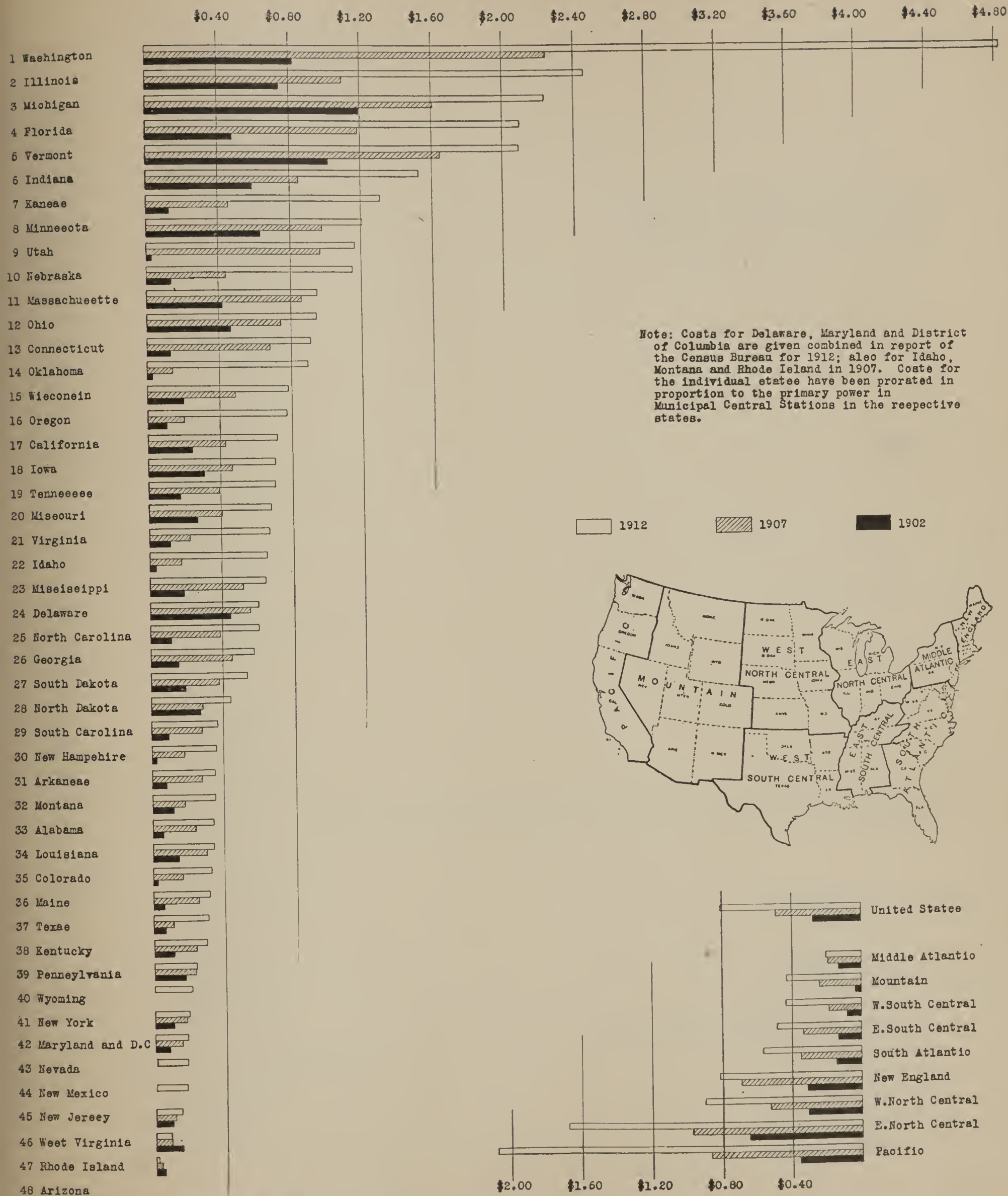
Cost of Construction, and of Real Estate, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Millions of Dollars







Cost of Construction and of Real Estate, Per Capita, up to 1912, 1907 and 1902  
By States and by Geographic Divisions



Note: Costs for Delaware, Maryland and District of Columbia are given combined in report of the Census Bureau for 1912; also for Idaho, Montana and Rhode Island in 1907. Costs for the individual states have been prorated in proportion to the primary power in Municipal Central Stations in the respective states.





Cost of Construction and of Real Estate, Per Horse-Power of Primary Power, up to 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures

\$40 \$80 \$120 \$160 \$200 \$240 \$280 \$320 \$360

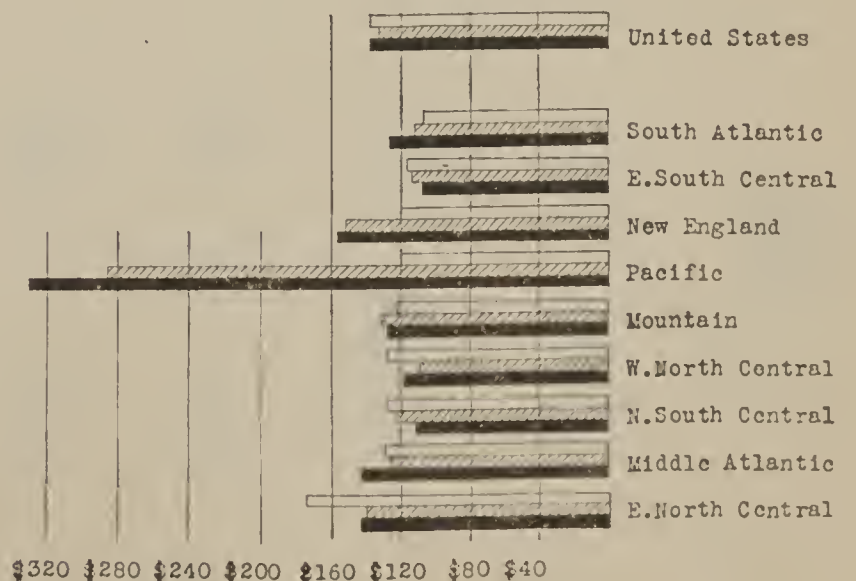
1 Illinois  
2 Idaho  
3 California  
4 Texas  
5 Montana  
6 South Carolina  
7 New Jersey  
8 Michigan  
9 North Carolina  
10 Tennessee  
11 Kansas  
12 Oklahoma  
13 New York  
14 Wisconsin  
15 Missouri  
16 Indiana  
17 North Dakota  
18 Massachusetts  
19 South Dakota  
20 Virginia  
21 New Hampshire  
22 Pennsylvania  
23 Ohio  
24 Minnesota  
25 Oregon  
26 Nebraska  
27 Wyoming  
28 Iowa  
29 Alabama  
30 Mississippi  
31 Connecticut  
32 Vermont  
33 Washington  
34 Utah  
35 Louisiana  
36 Florida  
37 Colorado  
38 Maine  
39 Arkansas  
40 Kentucky  
41 Georgia  
42 New Mexico  
43 Rhode Island  
44 Maryland and D.C.  
45 Delaware  
46 West Virginia  
47 Arizona  
48 Nevada

Note: Costs for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Costs for Delaware, and for Maryland & D.C., have been estimated on the assumption that total costs are in proportion to total primary power.

1912 1907 1902



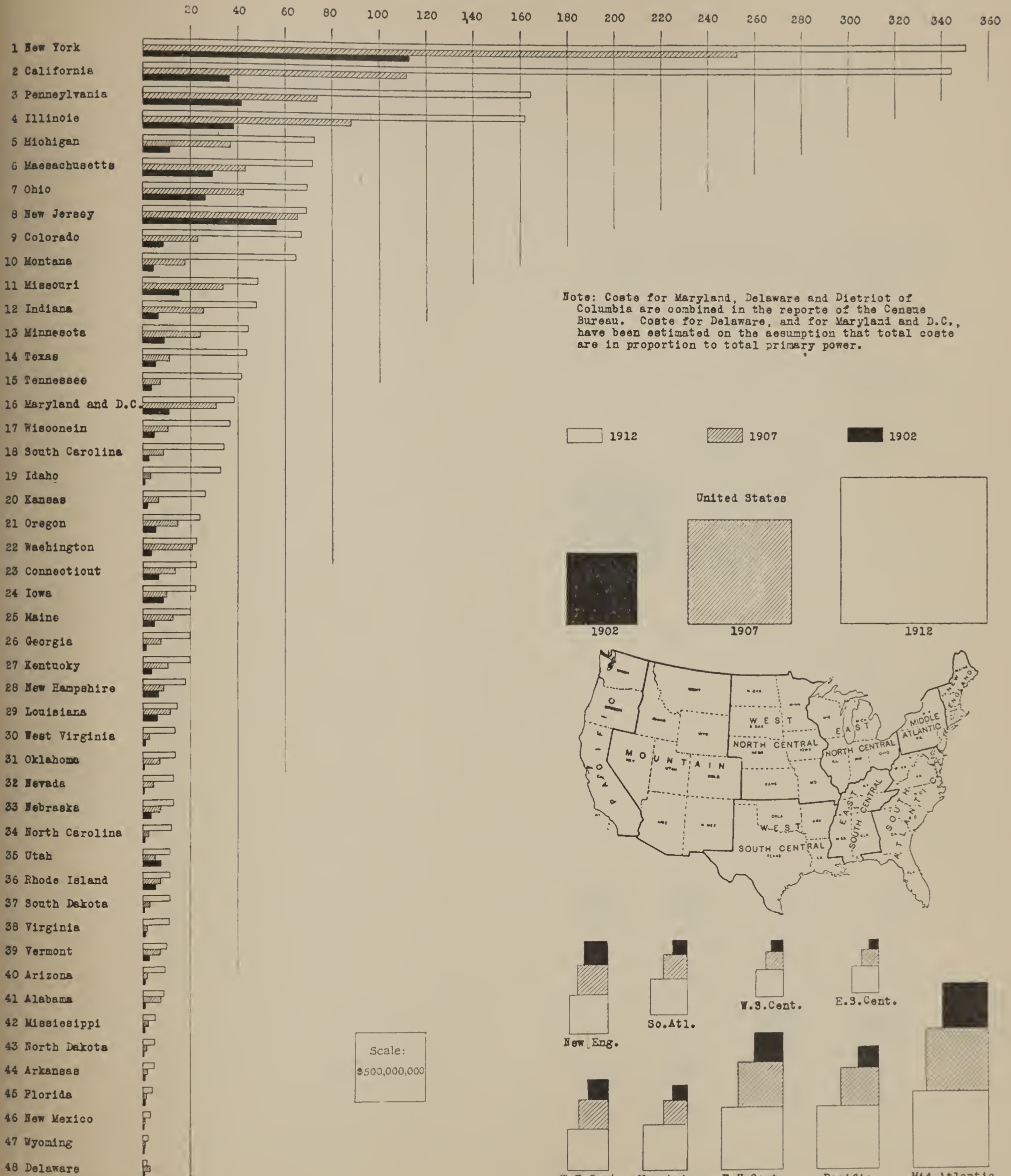
\$400 \$440 \$480 \$520 \$560 \$600 \$640 \$680 \$720 \$760 \$800 \$840 \$880 \$920







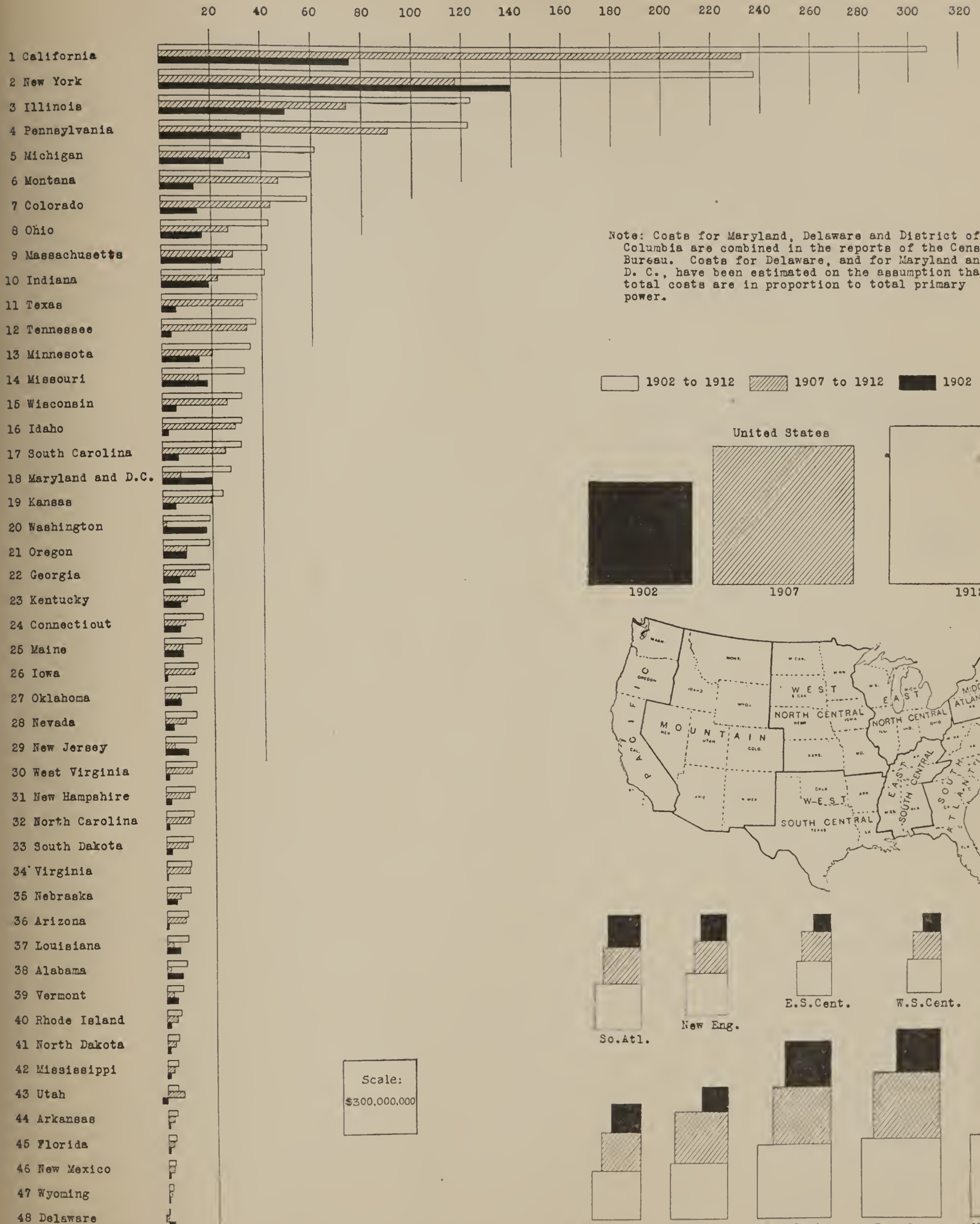
Cost of Construction and of Real Estate, up to 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Millions of Dollars





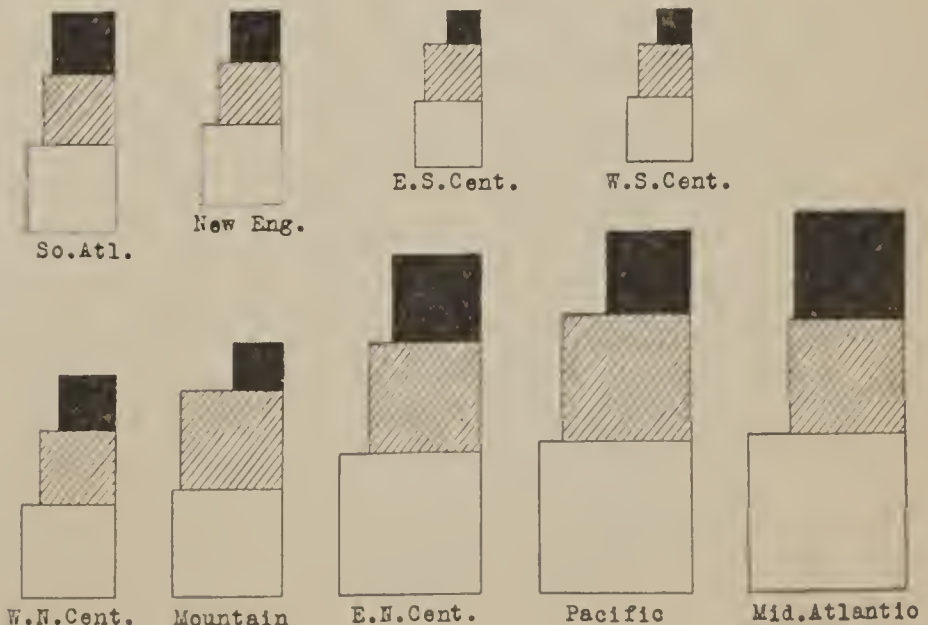
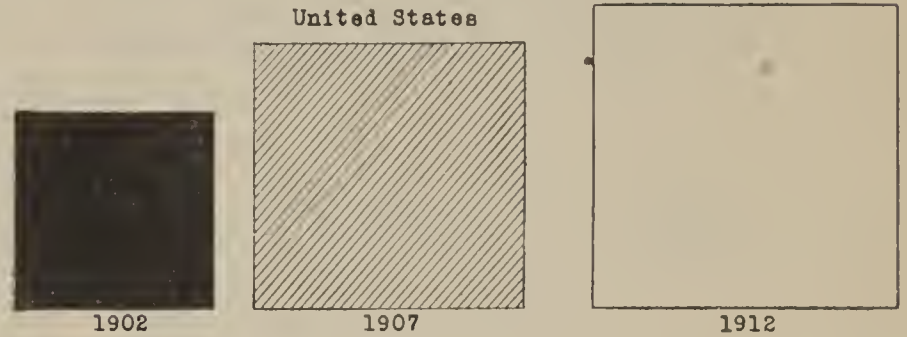


Increase in Cost of Construction and of Real Estate: - 1902 to 1912, 1907 to 1912, and 1902 to 1907  
By States and by Geographic Divisions  
In Millions of Dollars



Note: Costs for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Costs for Delaware, and for Maryland and D. C., have been estimated on the assumption that total costs are in proportion to total primary power.

1902 to 1912 1907 to 1912 1902 to 1907

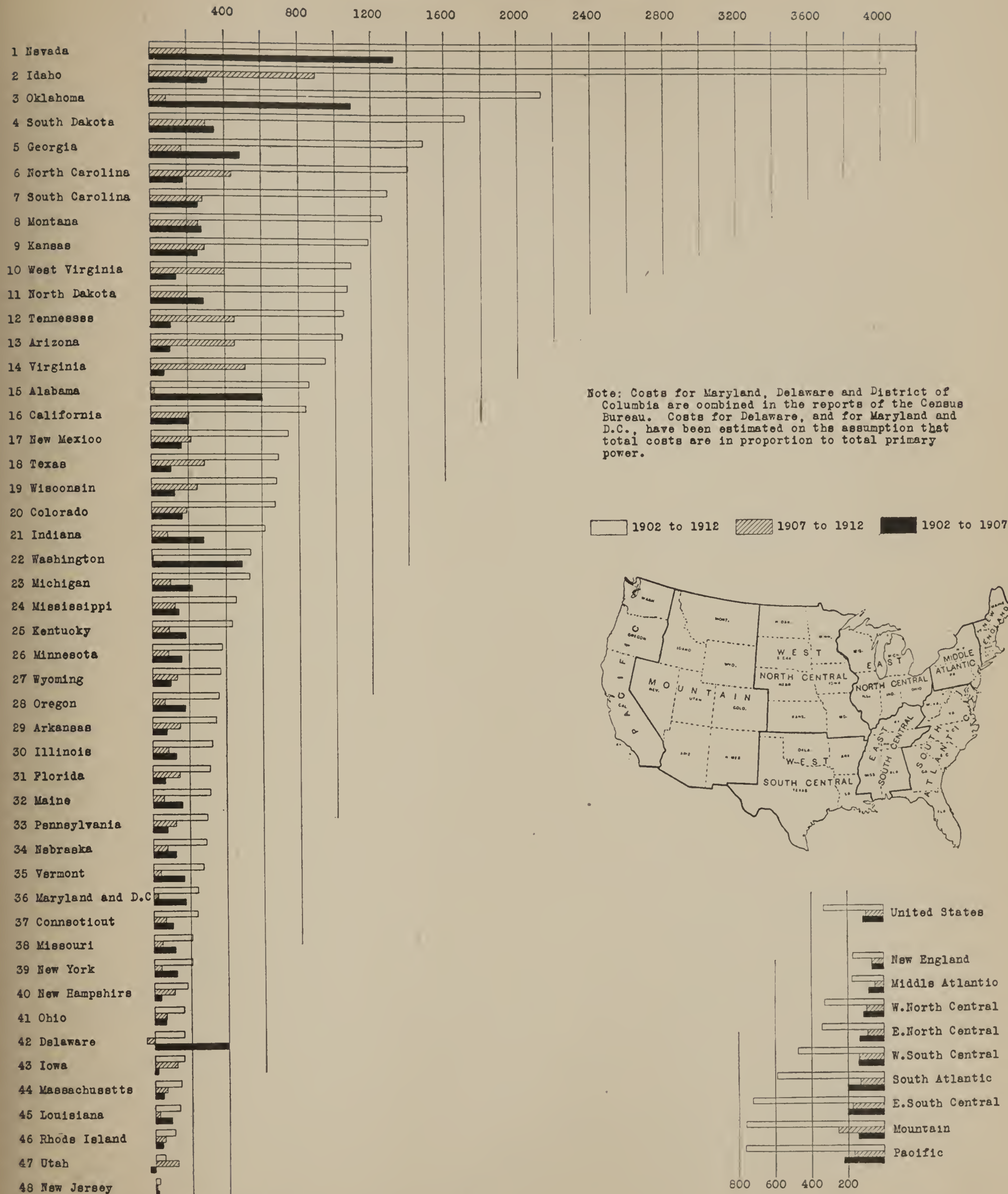


Scale:  
\$300,000,000





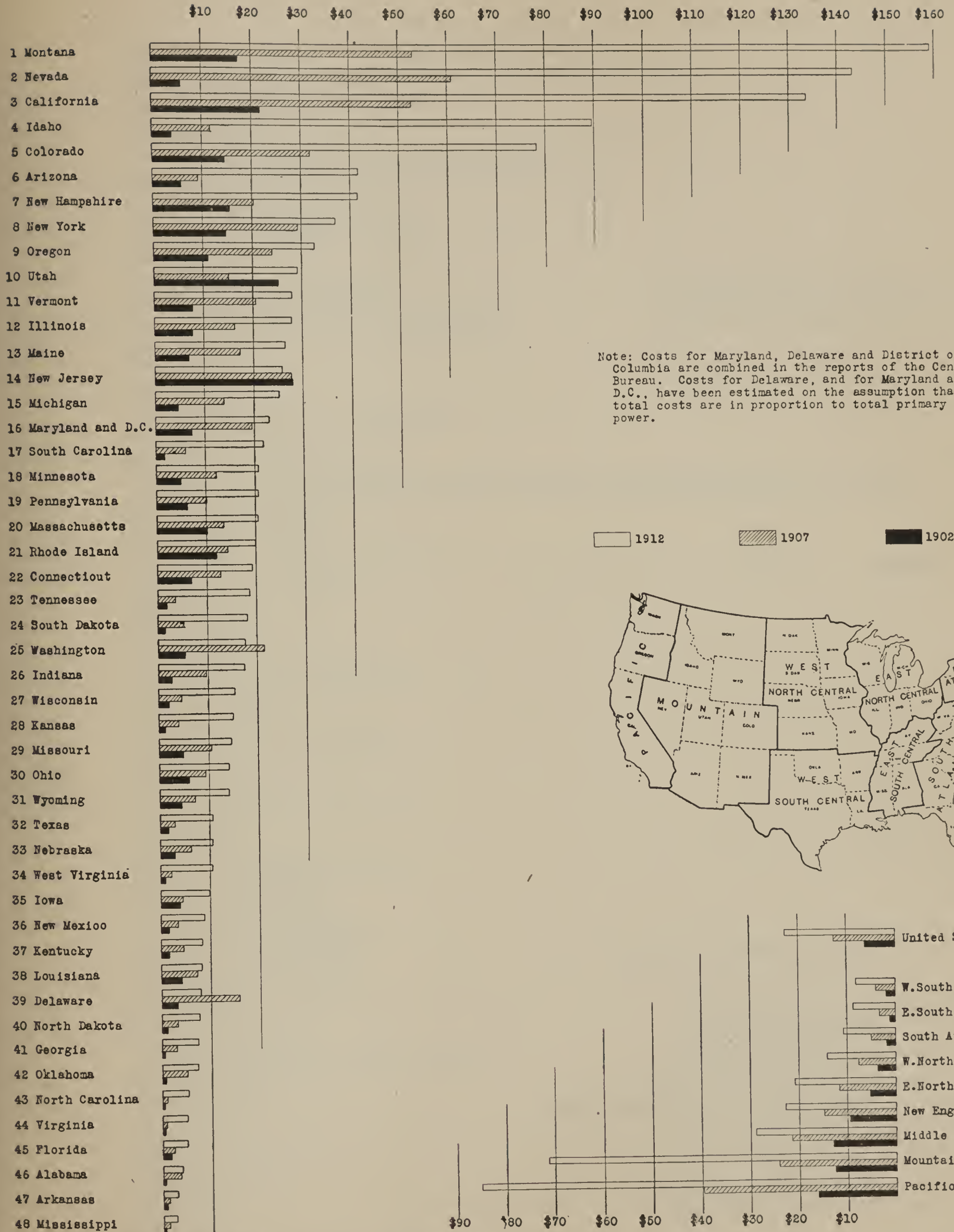
Percentage Increase in Cost of Construction and of Real Estate  
1902 to 1912, 1907 to 1912, and 1902 to 1907  
By States and by Geographic Divisions







Cost of Construction and of Real Estate, Per Capita, up to 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Dollars



Note: Costs for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Costs for Delaware, and for Maryland and D.C., have been estimated on the assumption that total costs are in proportion to total primary power.

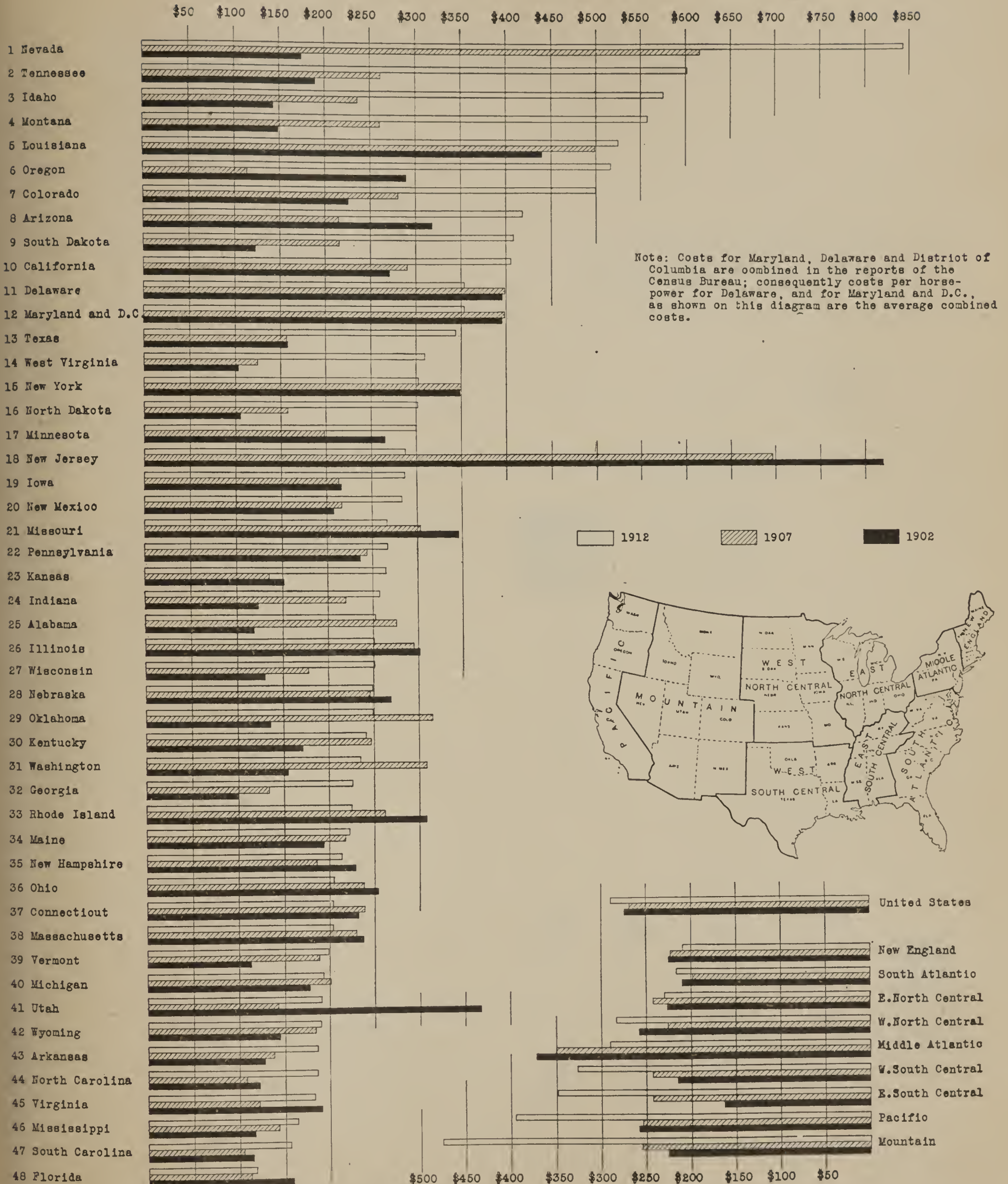
1912 1907 1902







Cost of Construction and of Real Estate, per Horse-Power, up to 1912, 1907 and 1902  
By States and by Geographic Divisions, in Order of Costs in 1912  
In Dollars

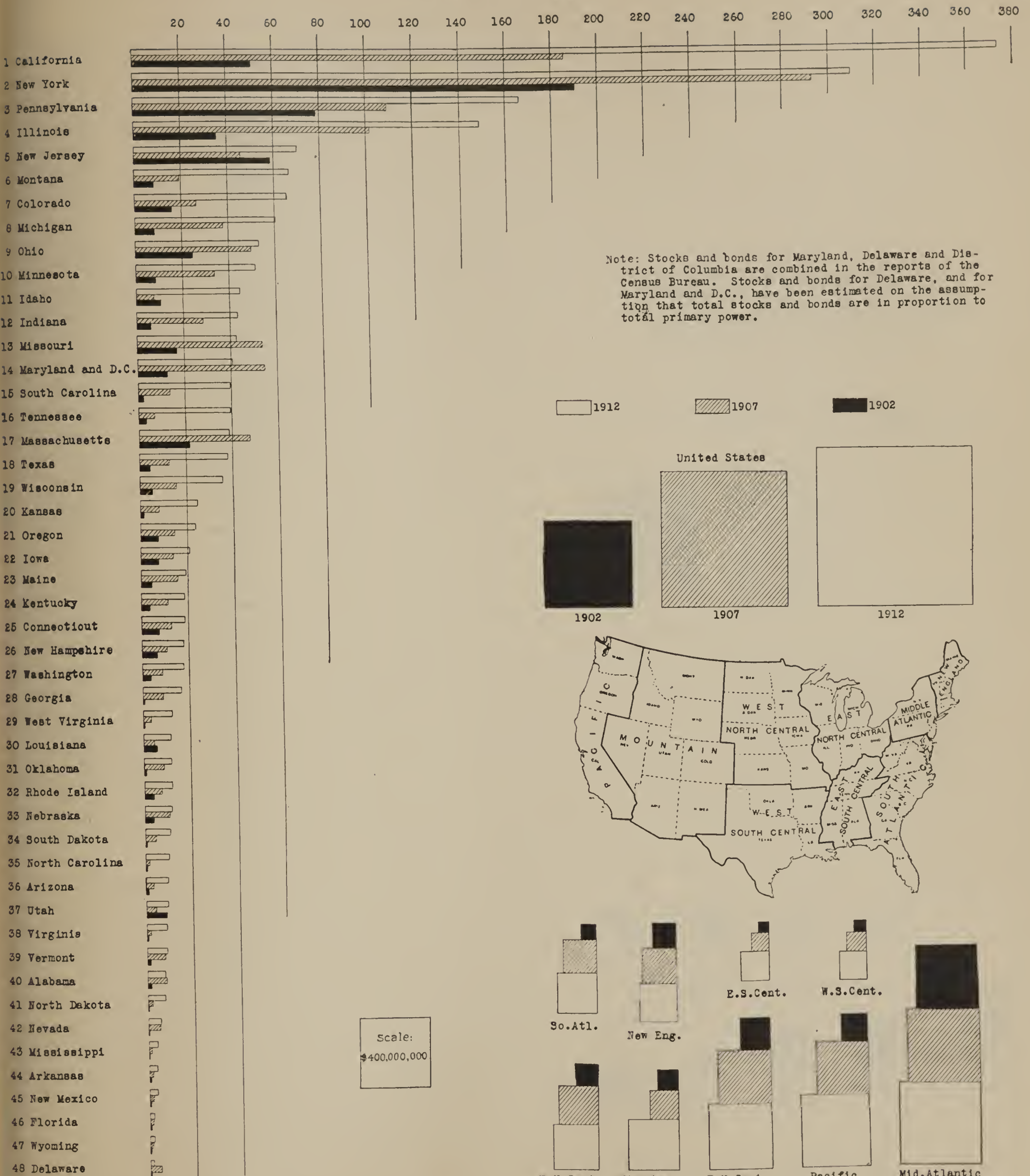


To accompany report on Sen. Res. No. 544, 63rd. Cong., 3rd. Sess.





Stocks and Bonds in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Million of Dollars

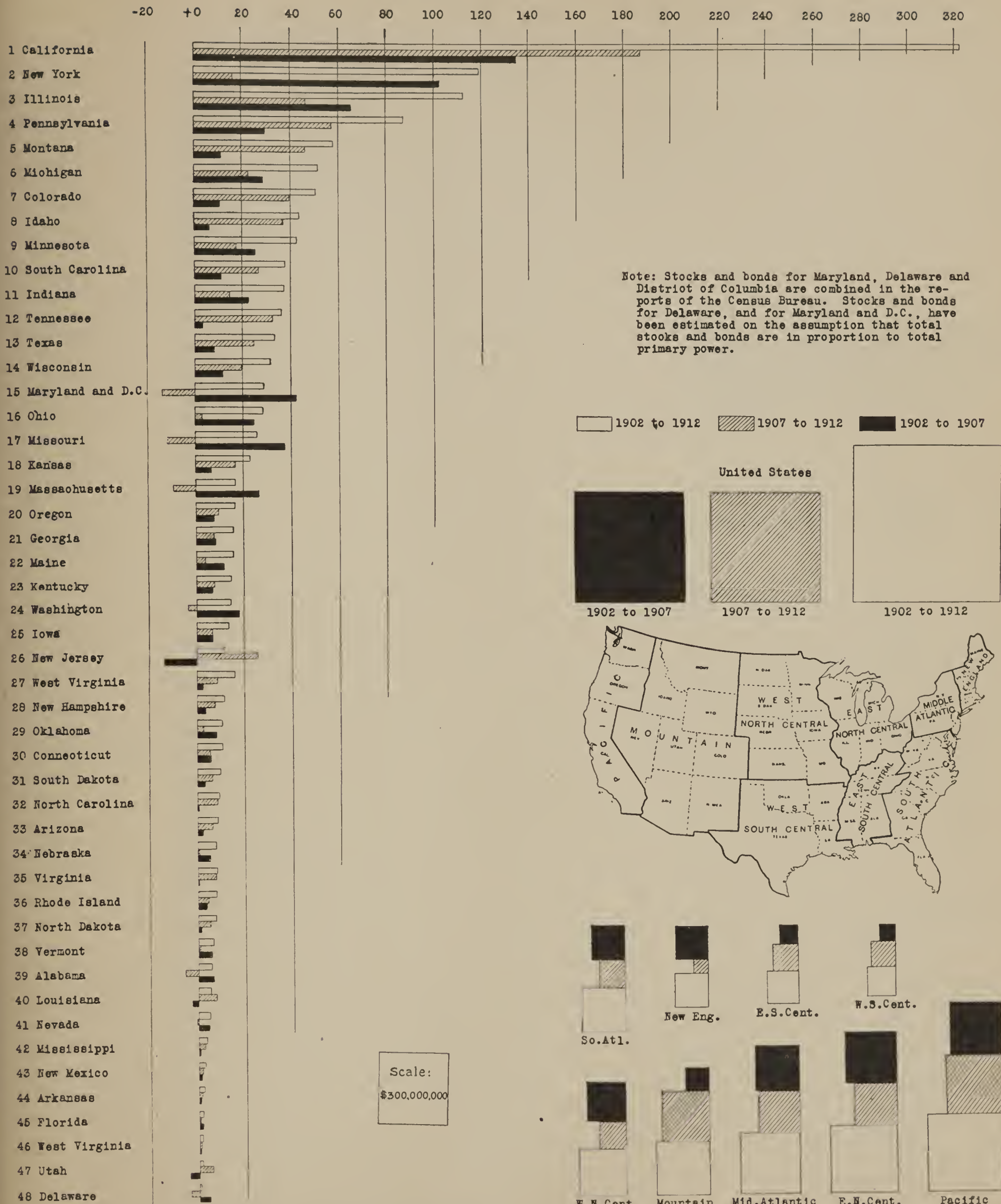


Note: Stocks and bonds for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Stocks and bonds for Delaware, and for Maryland and D.C., have been estimated on the assumption that total stocks and bonds are in proportion to total primary power.





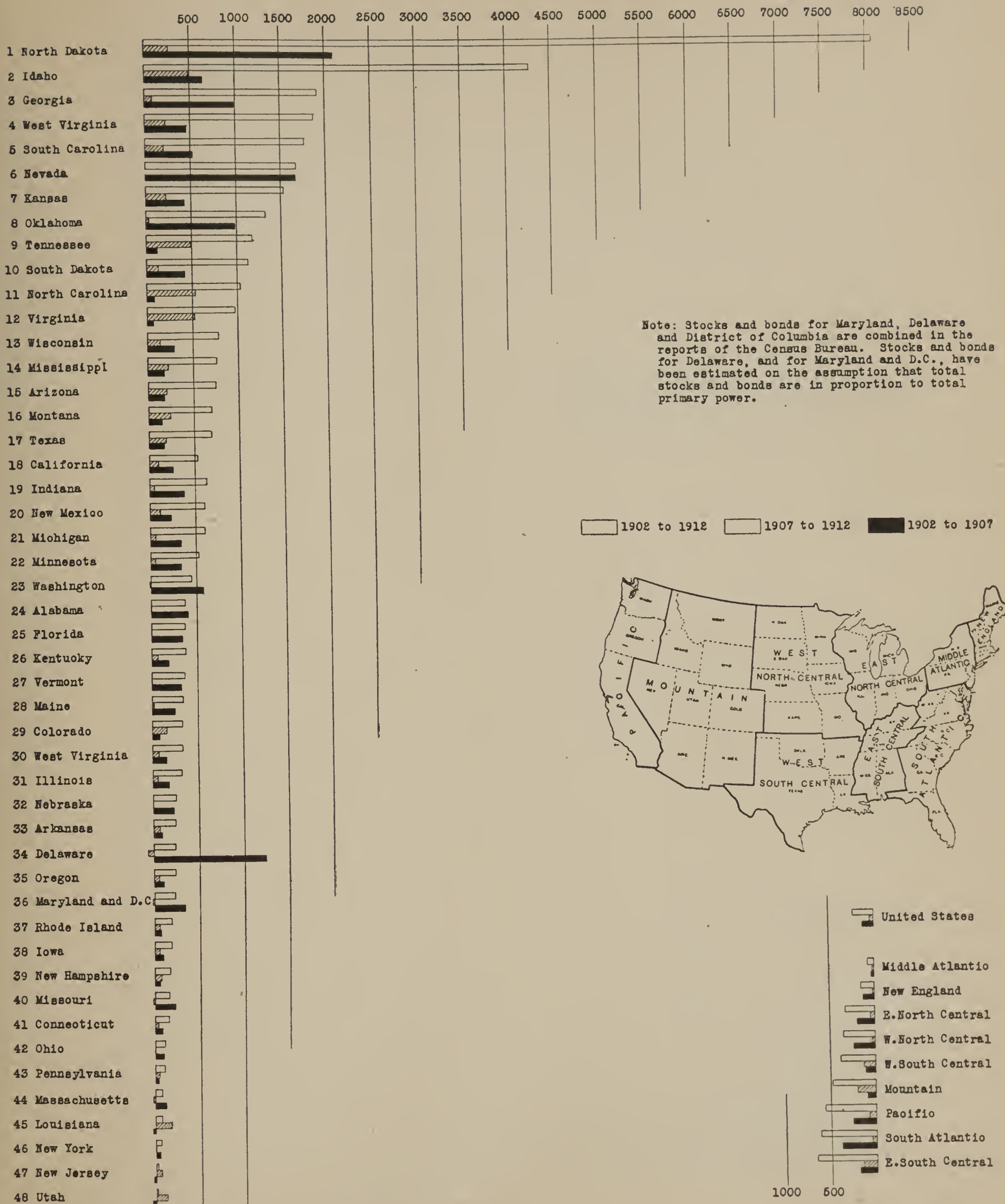
Increase in Stocks and Bonds, 1902 to 1912, 1907 to 1912, and 1902 to 1907  
By States and by Geographic Divisions







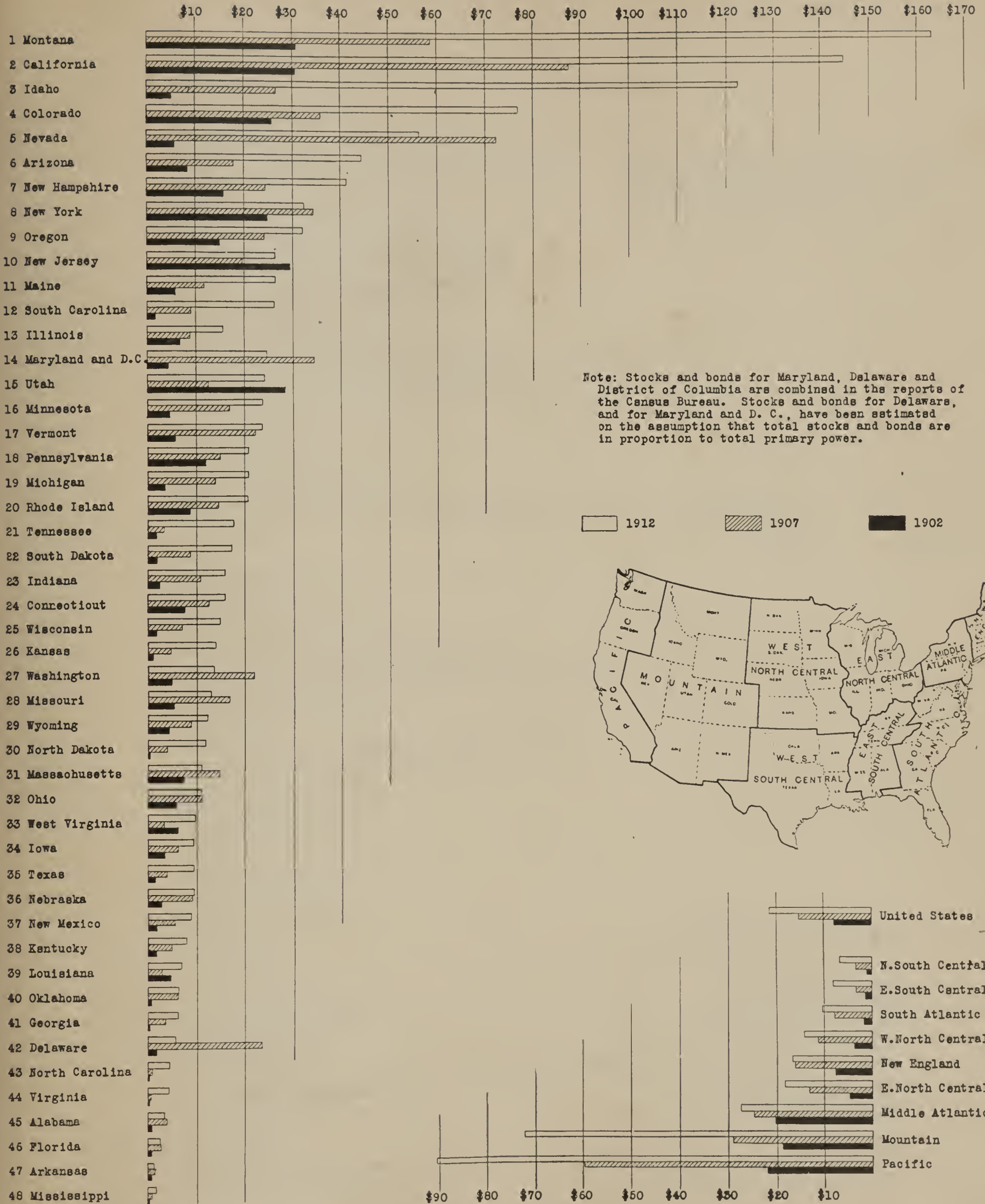
Percentage Increases in Stocks and Bonds, 1902 to 1912, 1907 to 1912, and 1902 to 1907  
By States and by Geographic Divisions  
In Per Cent of Amounts at the Beginning of Each Period







Stocks and Bonds Per Capita, in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures



Note: Stocks and bonds for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Stocks and bonds for Delaware, and for Maryland and D. C., have been estimated on the assumption that total stocks and bonds are in proportion to total primary power.

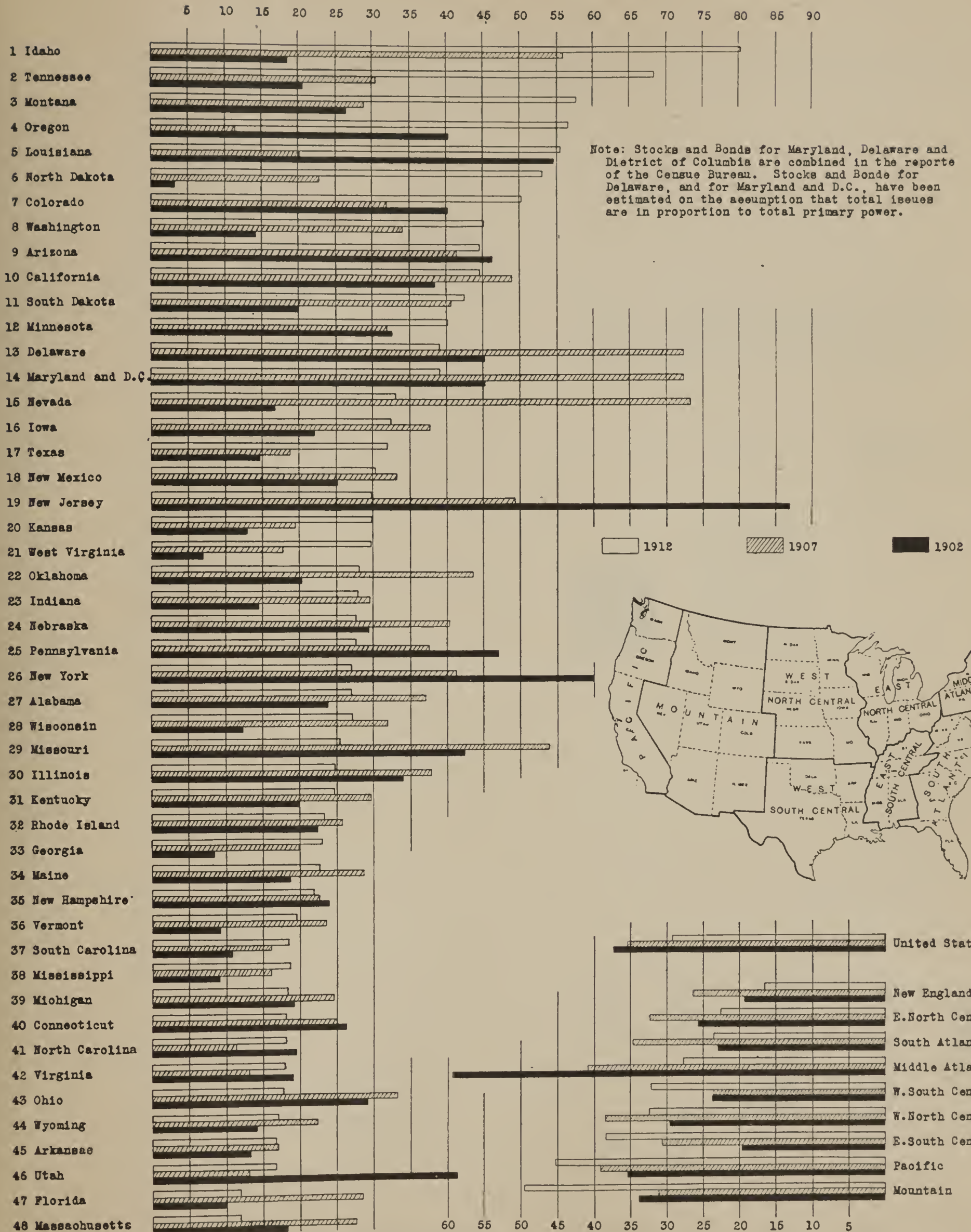
1912 1907 1902







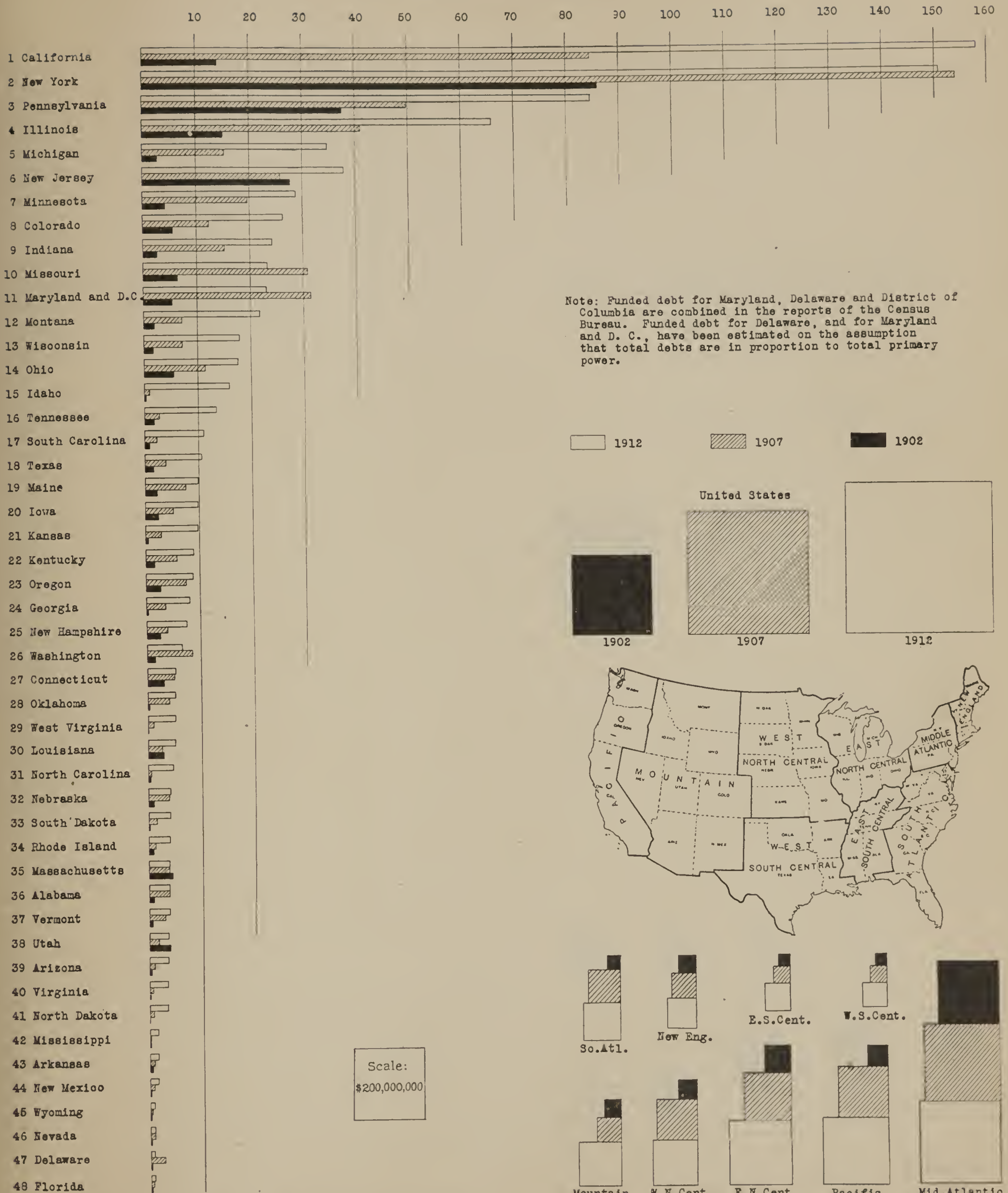
Stocks and Bonds Per Horse-Power of Primary Power, in 1912, 1907 and 1902  
By State and by Geographic Divisions  
In Order of 1912 Figures







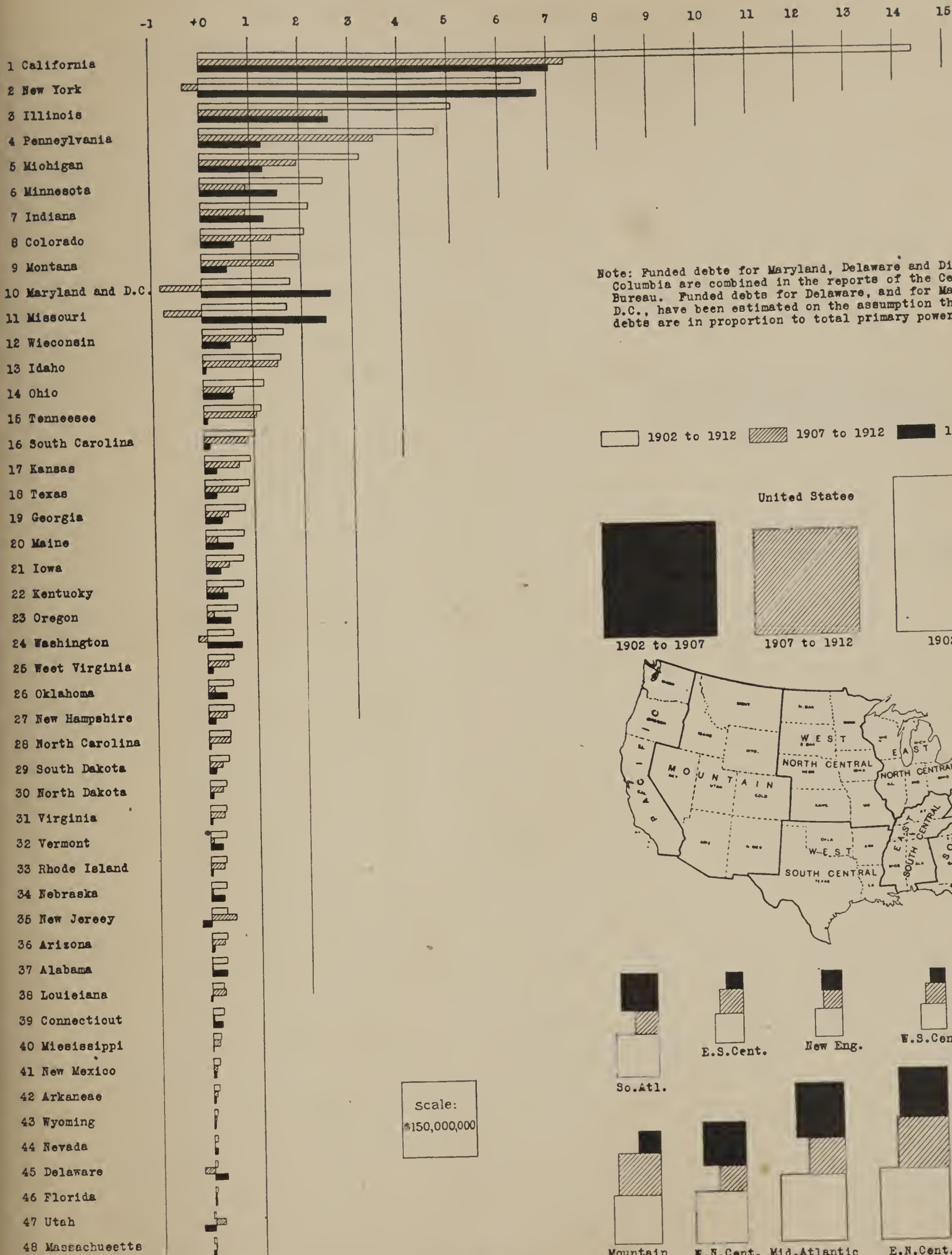
Funded Debt in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Millions of Dollars





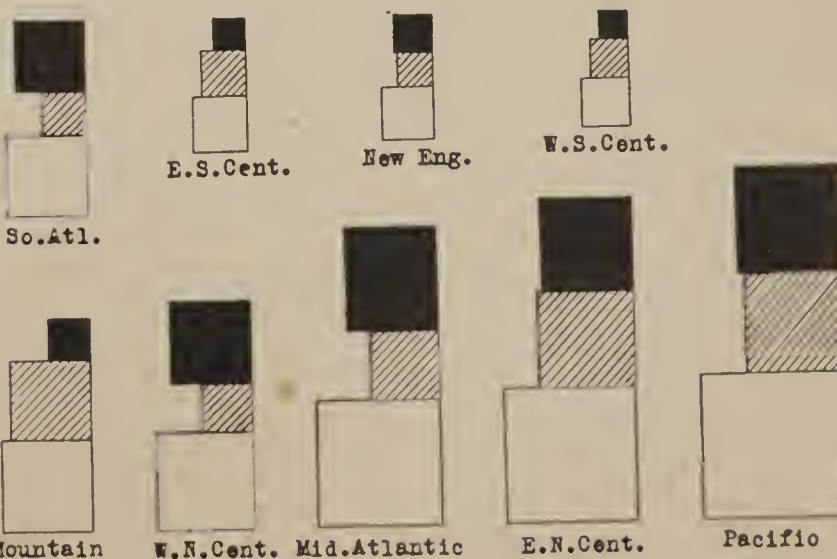
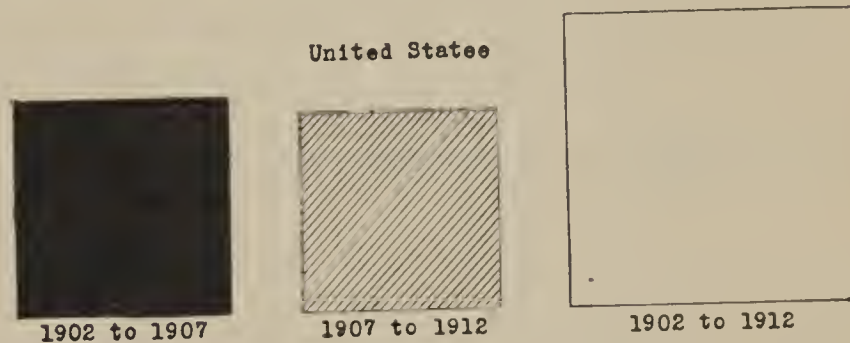


Increase in Funded Debt, 1902 to 1912, 1907 to 1912, and 1902 to 1907  
By State and by Geographic Division  
In Millions of Dollars



Note: Funded debts for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Funded debts for Delaware, and for Maryland & D.C., have been estimated on the assumption that total debts are in proportion to total primary power.

1902 to 1912 1907 to 1912 1902 to 1907

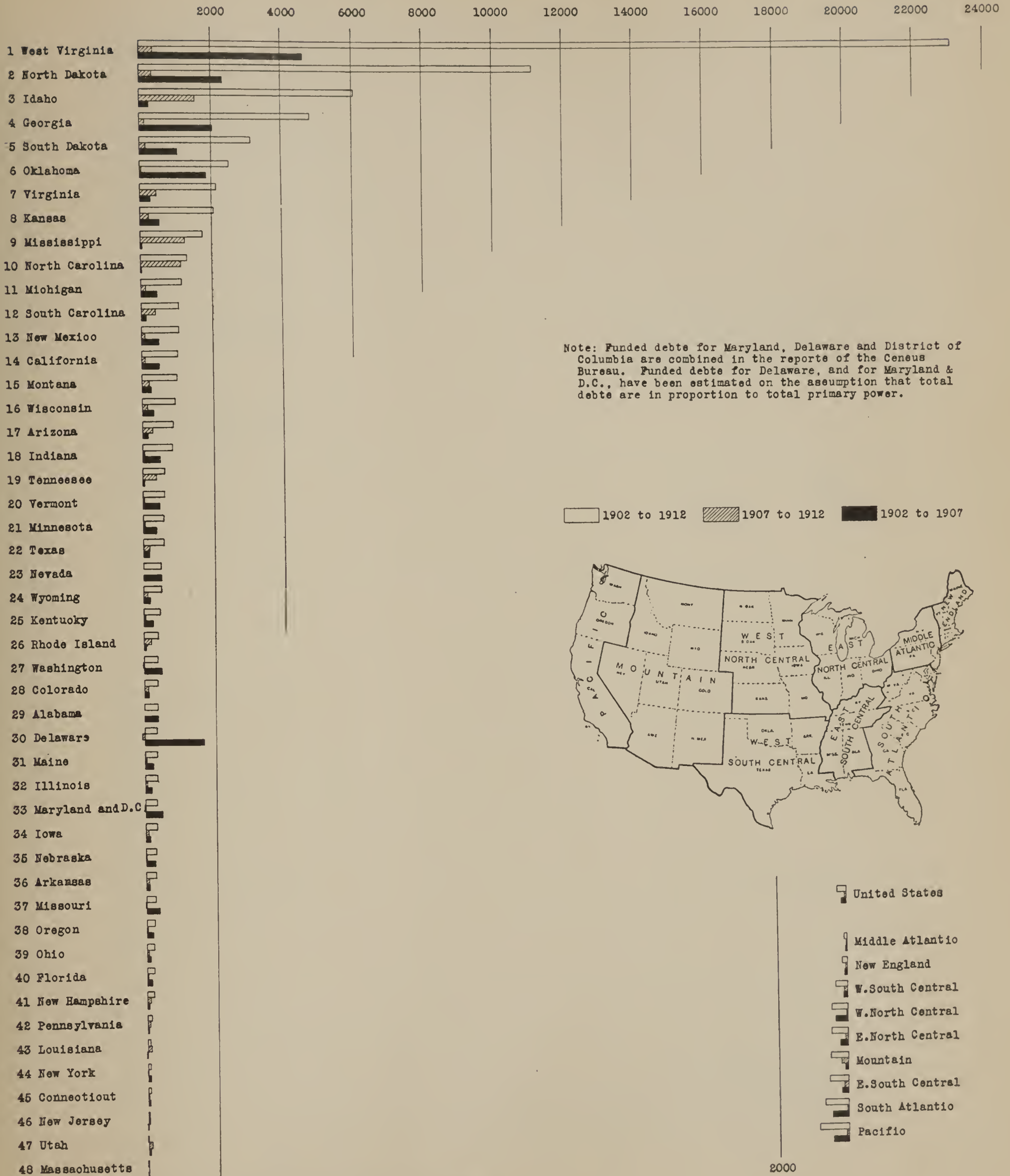


Scale:  
\$150,000,000





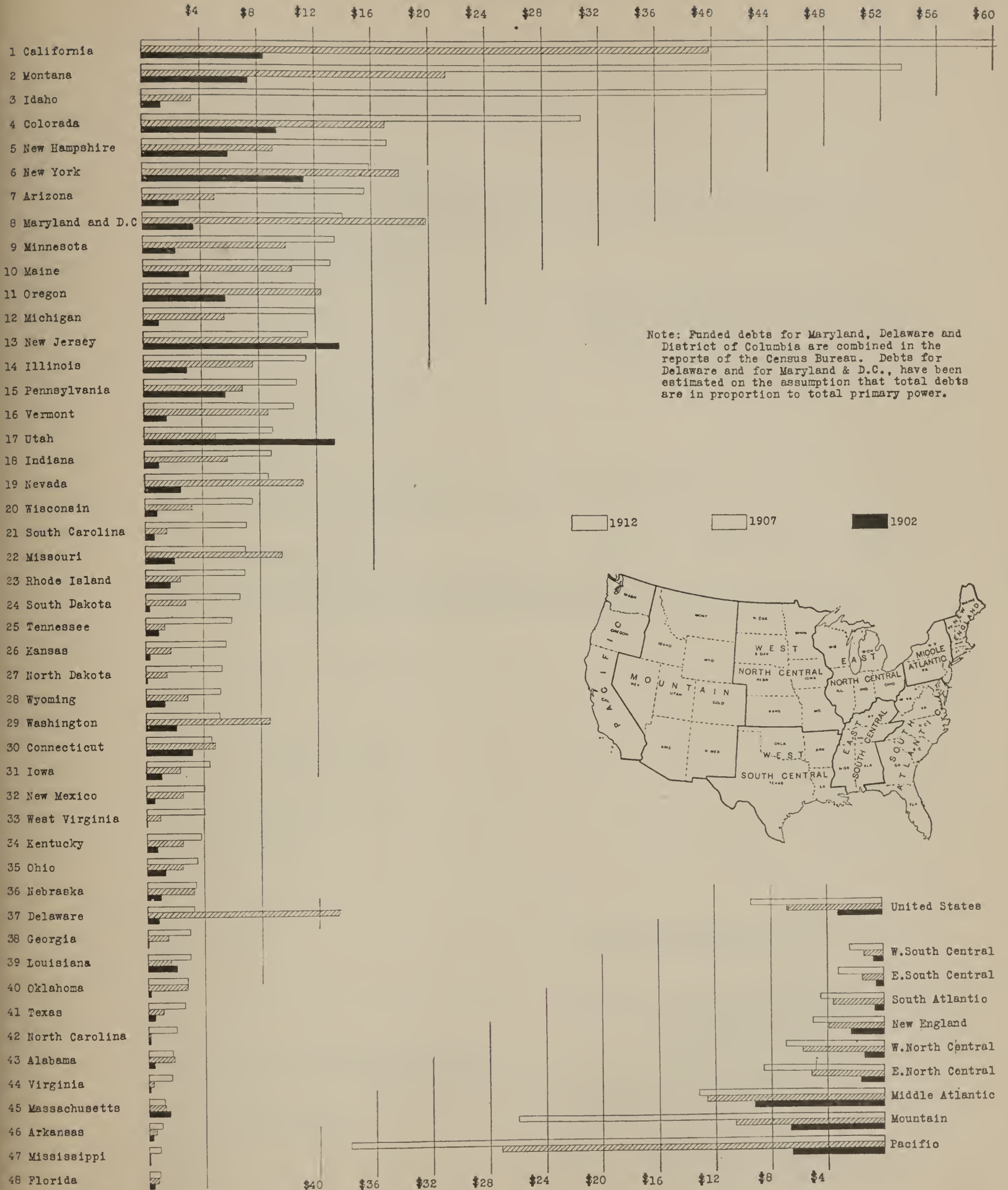
Percentage Increases in Funded Debt, 1902 to 1912, 1907 to 1912, and 1902 to 1907  
By States and by Geographic Divisions  
In Per Cent of Debt at Beginning of Each Period







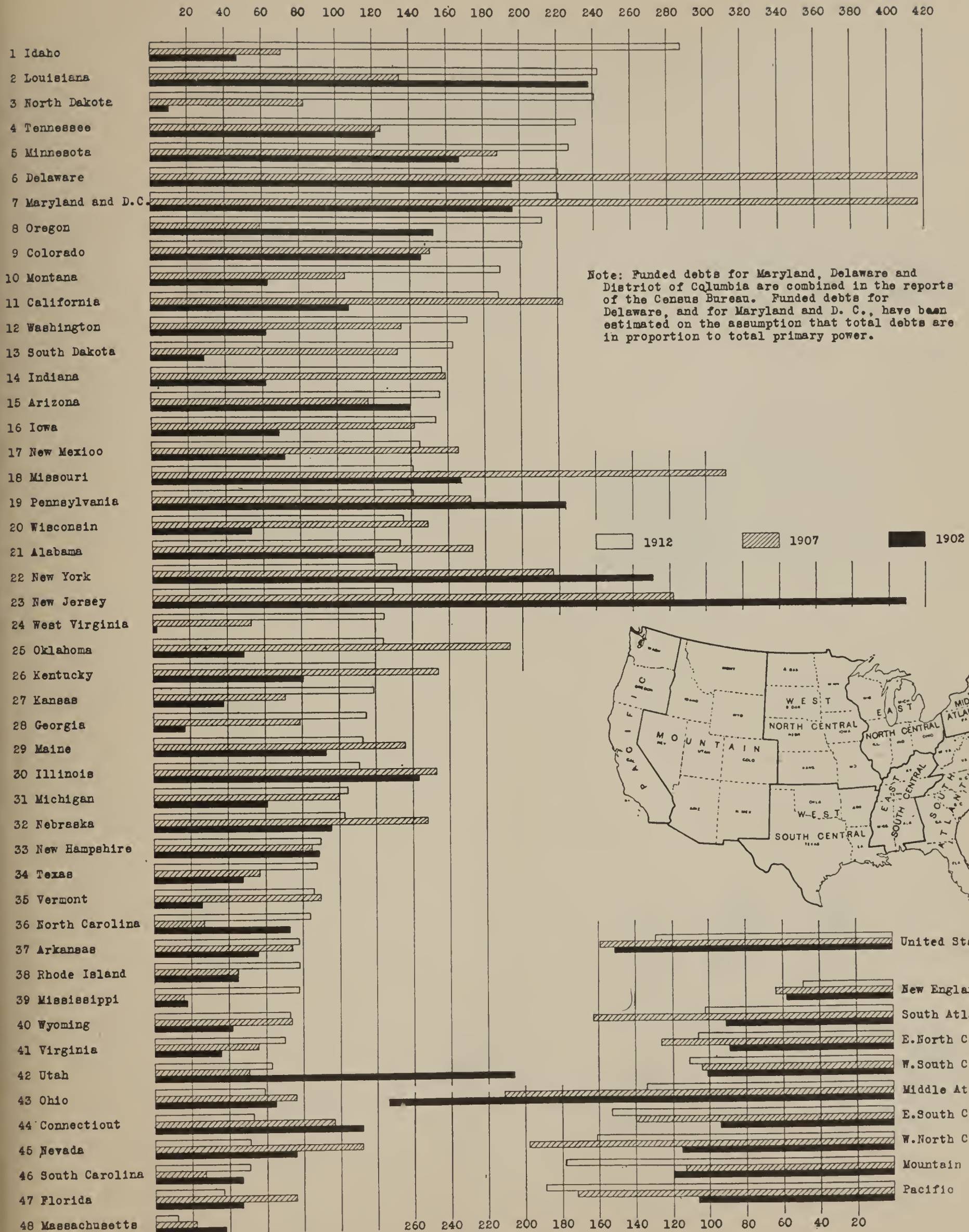
Funded Debt per Capita, in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures







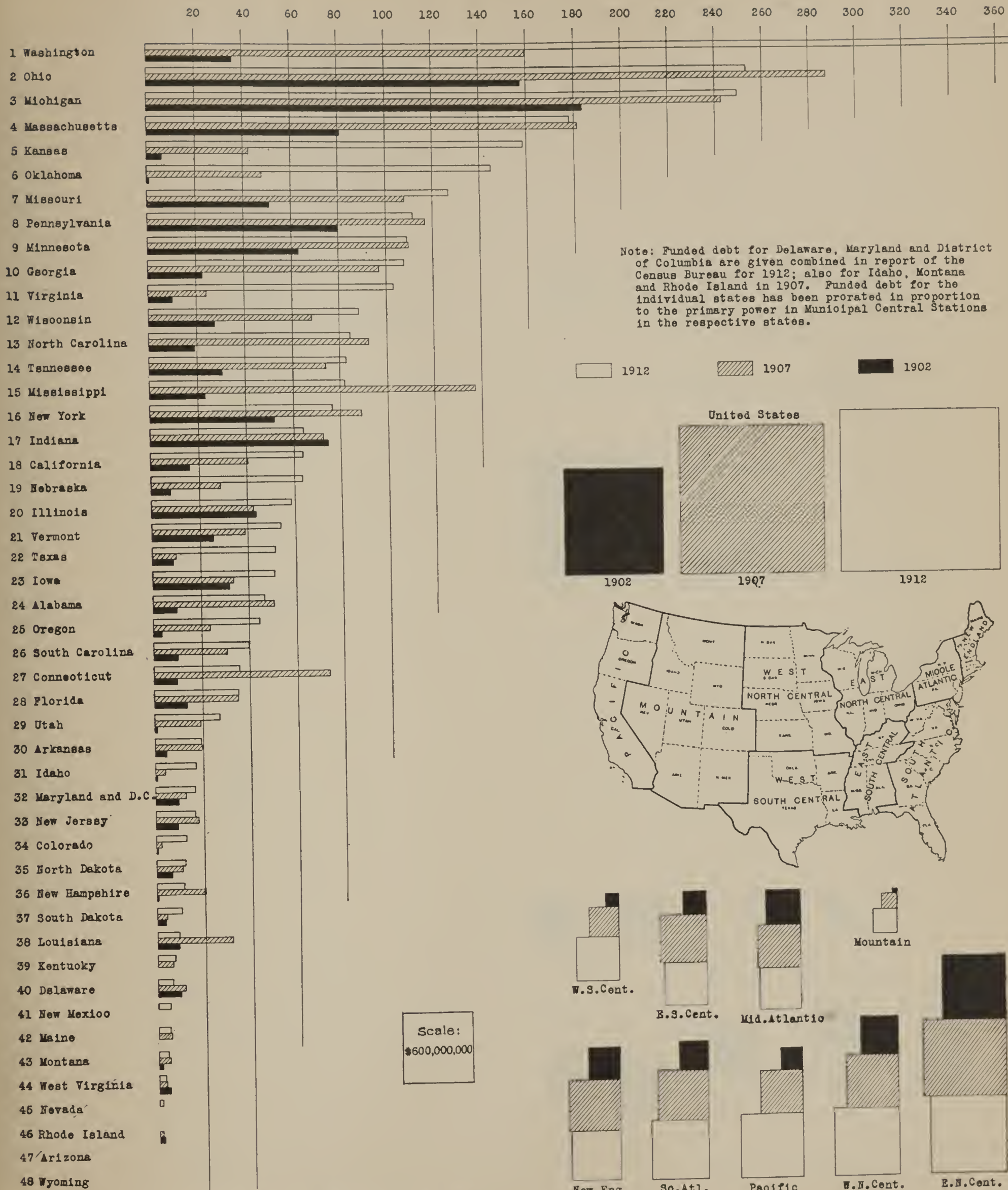
Funded Debt Per Horse-Power, in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of Debt in 1912







Funded Debt in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Tens of Thousands of Dollars







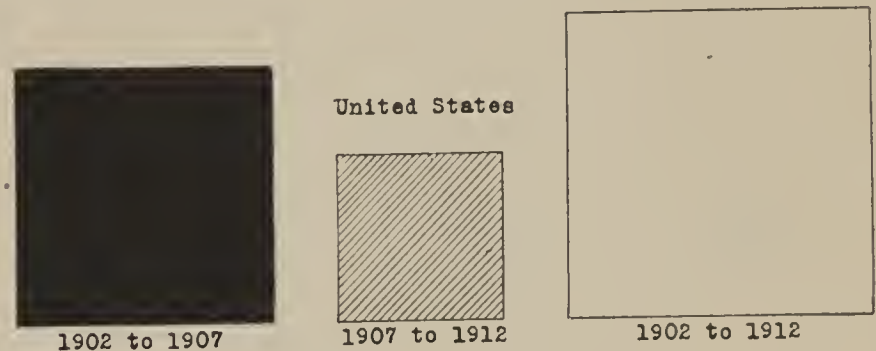
Increase in Funded Debt, 1902 to 1912, 1907 to 1912, and 1902 to 1907  
By States and by Geographic Divisions  
In Tens of Thousands of Dollars

60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340

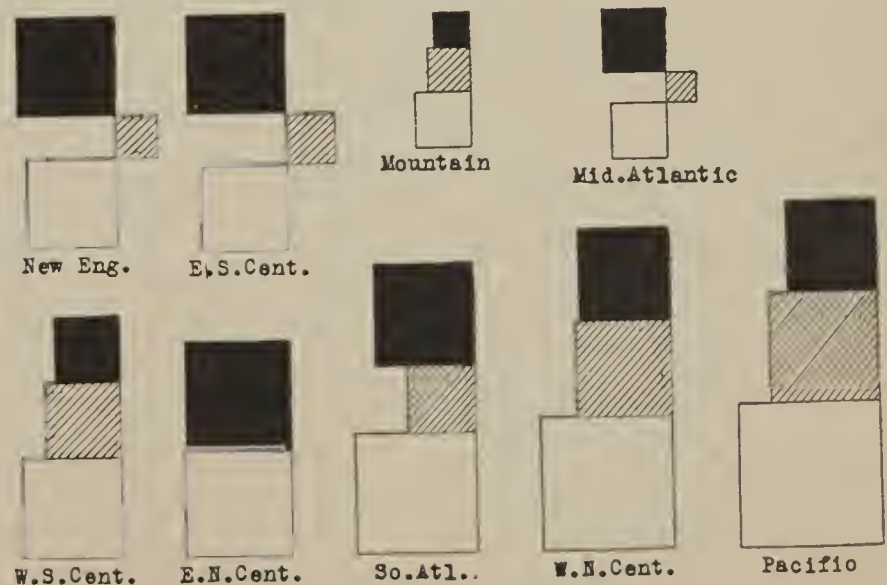
1 Washington  
2 Kansas  
3 Oklahoma  
4 Massachusetts  
5 Ohio  
6 Virginia  
7 Georgia  
8 Missouri  
9 Michigan  
10 North Carolina  
11 Wisconsin  
12 Mississippi  
13 Nebraska  
14 Tennessee  
15 California  
16 Minnesota  
17 Texas  
18 Oregon  
19 Alabama  
20 Pennsylvania  
21 South Carolina  
22 Vermont  
23 Utah  
24 Connecticut  
25 New York  
26 Florida  
27 Iowa  
28 Idaho  
29 Illinois  
30 Arkansas  
31 Colorado  
32 New Hampshire  
33 New Jersey  
34 Kentucky  
35 Maryland and D.C.  
36 South Dakota  
37 North Dakota  
38 New Mexico  
39 Maine  
40 Montana  
41 Nevada  
42 Louisiana  
43 Wyoming  
44 Arizona  
45 West Virginia  
46 Rhode Island  
47 Delaware  
48 Indiana

Note: Funded debt for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Funded debt for Delaware, and for Maryland and D. C., have been estimated on the assumption that total debts are in proportion to total primary power.

1902 to 1912 1907 to 1912 1902 to 1907



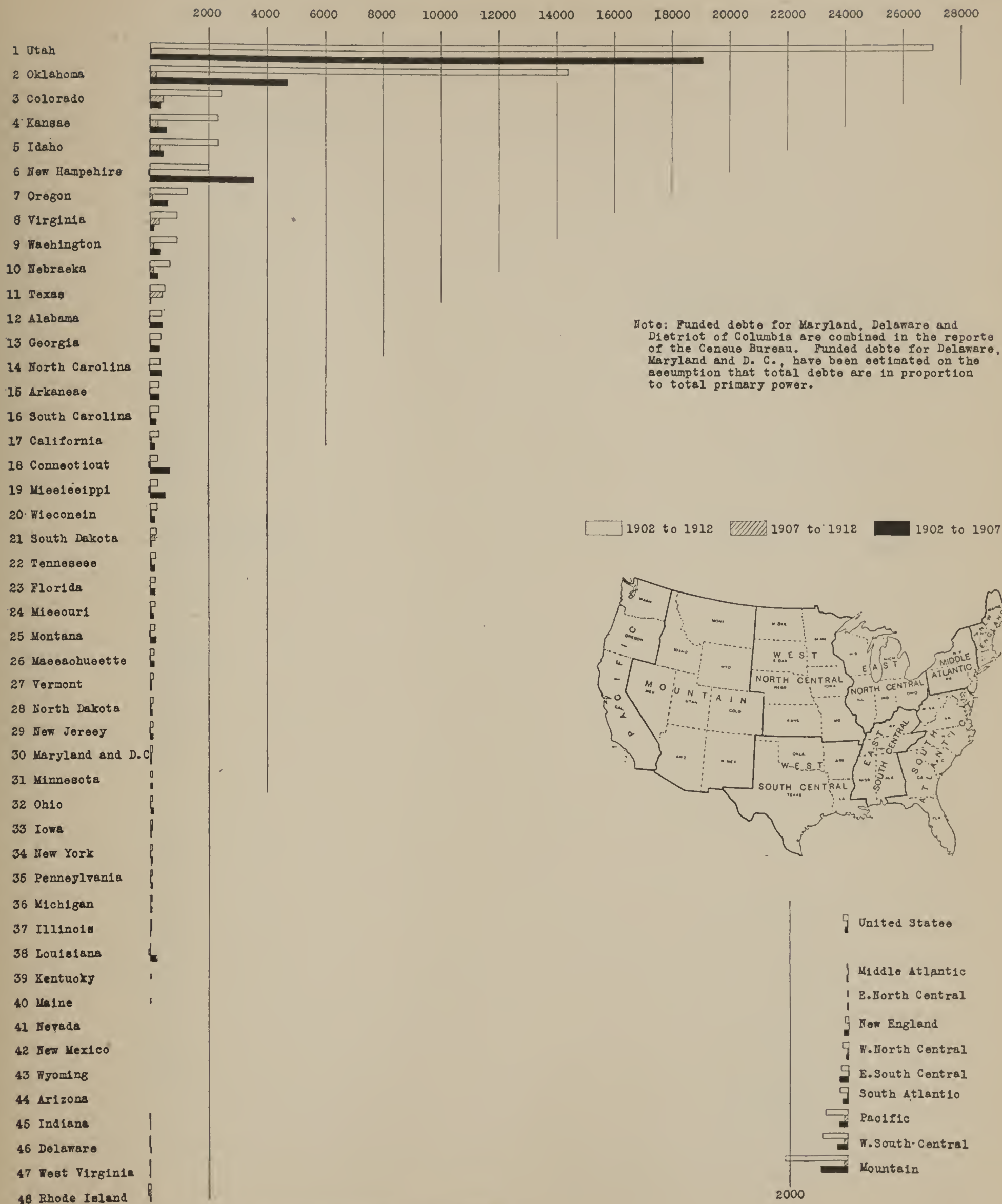
Scale:  
\$4,000,000







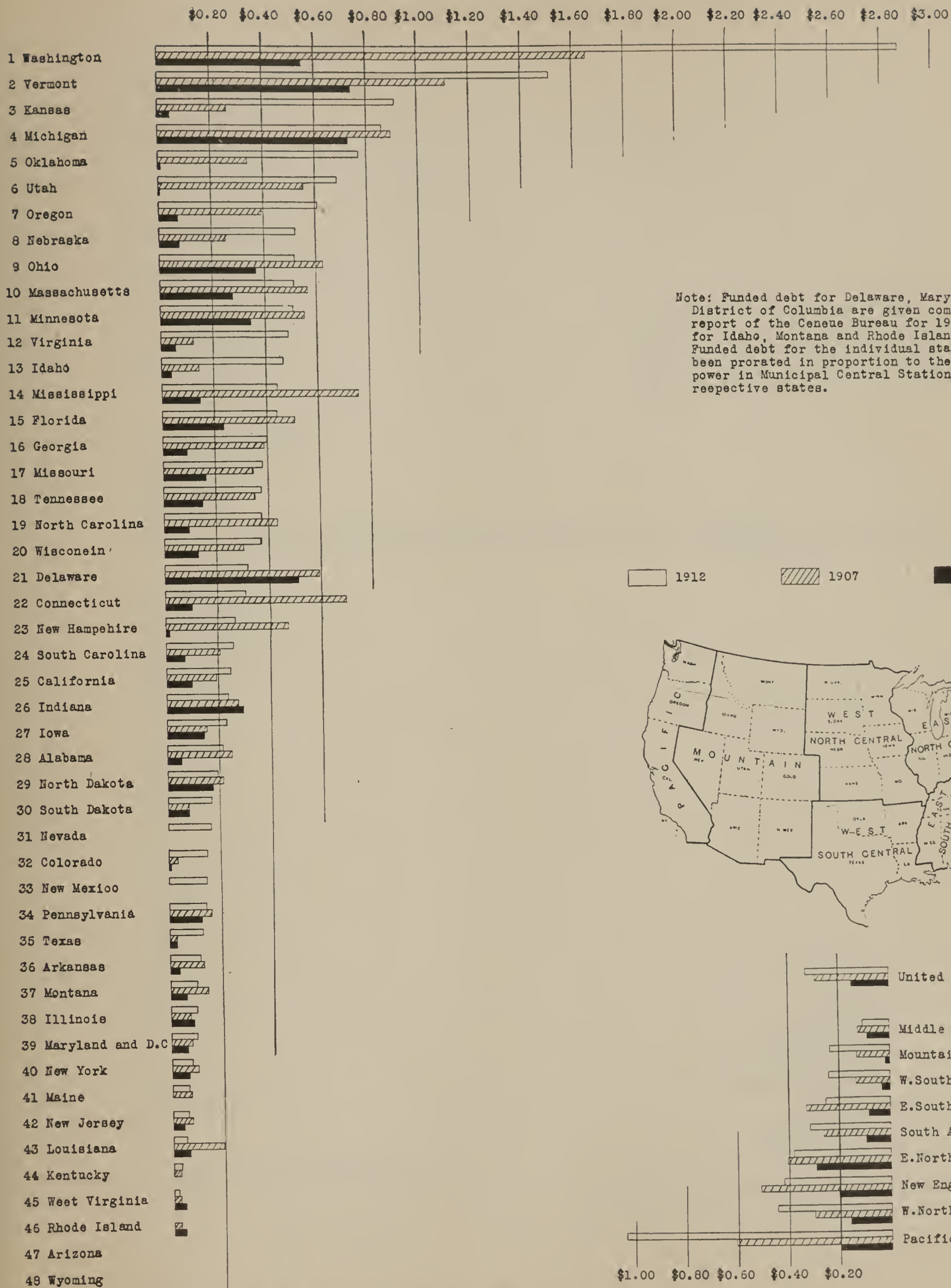
Percentage Increase in Funded Debt: - 1902 to 1912, 1907 to 1912, and 1902 to 1907  
By States and by Geographic Divisions  
In Per Cent of Debt at Beginning of Each Period







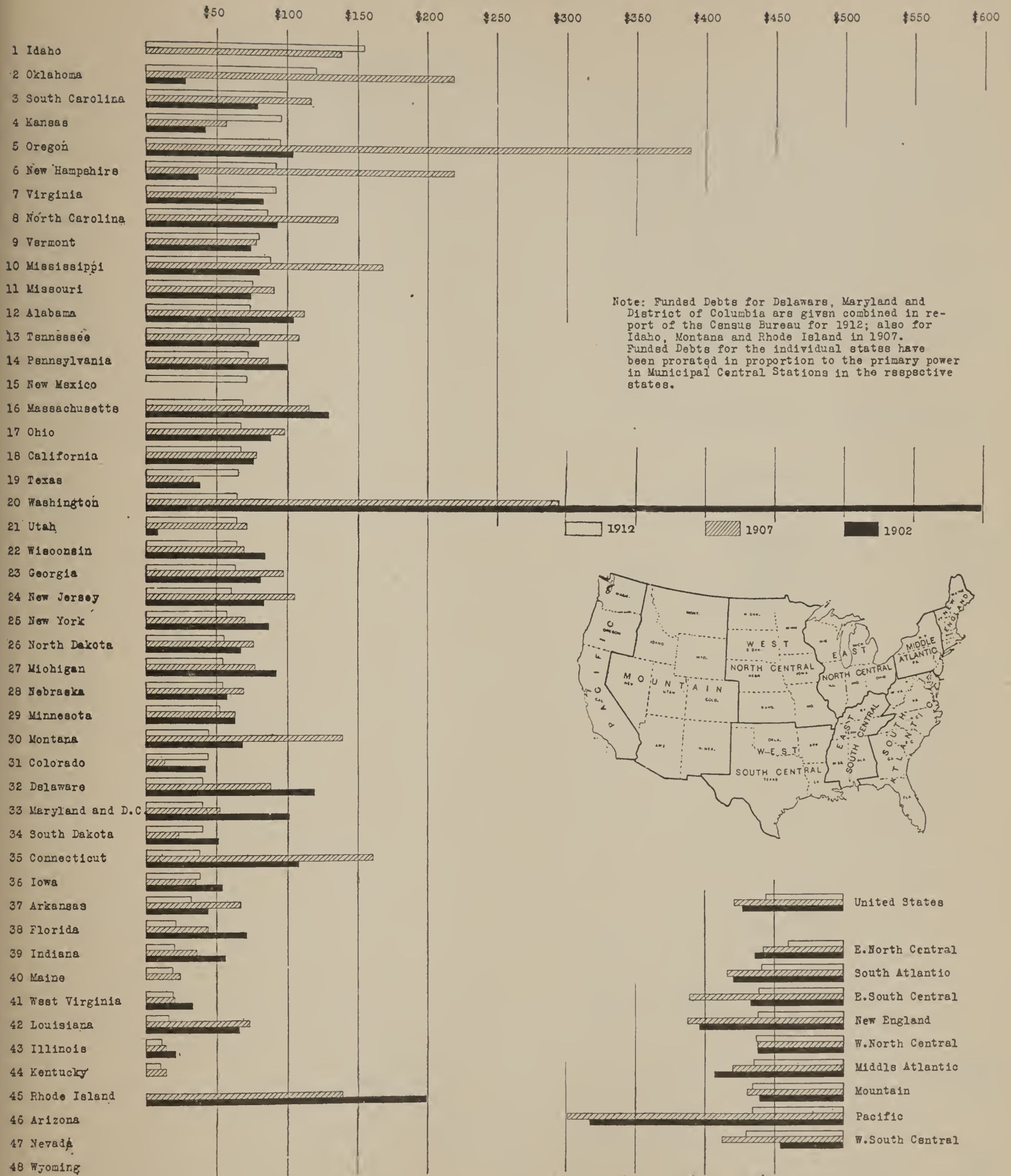
Funded Debt Per Capita, in 1912, 1907 and 1907  
By States and by Geographic Divisions  
In Order of Debt in 1912







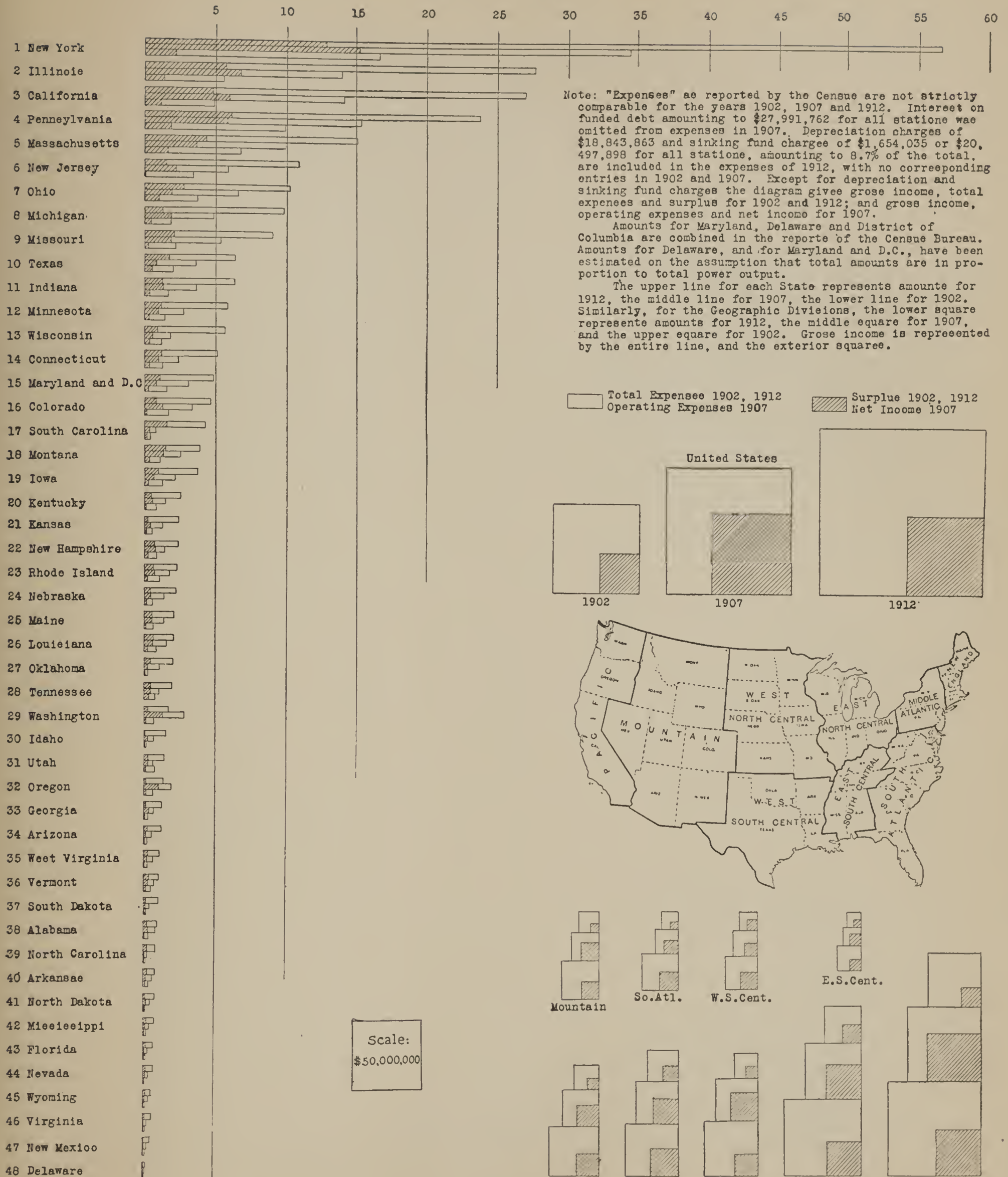
Funded Debt Per Horse-Power, in 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of Debt in 1912







Income, Expense and Surplus, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Millions of Dollars



Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations, amounting to 8.7% of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives gross income, total expenses and surplus for 1902 and 1912; and gross income, operating expenses and net income for 1907.

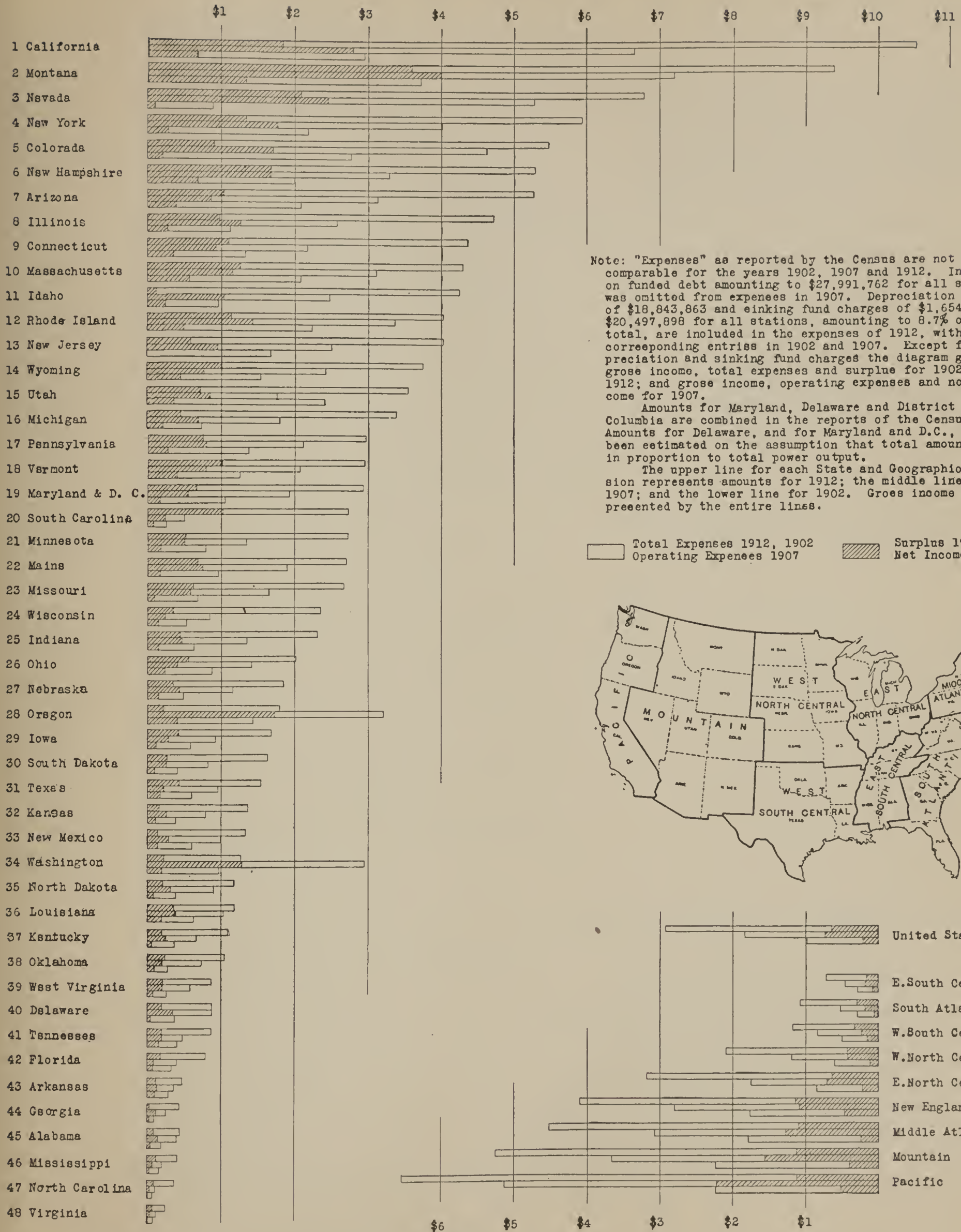
Amounts for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated on the assumption that total amounts are in proportion to total power output.

The upper line for each State represents amount for 1912, the middle line for 1907, the lower line for 1902. Similarly, for the Geographic Divisions, the lower square represents amounts for 1912, the middle square for 1907, and the upper square for 1902. Gross income is represented by the entire line, and the exterior squares.





Income, Expenses and Surplus, Per Capita, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures

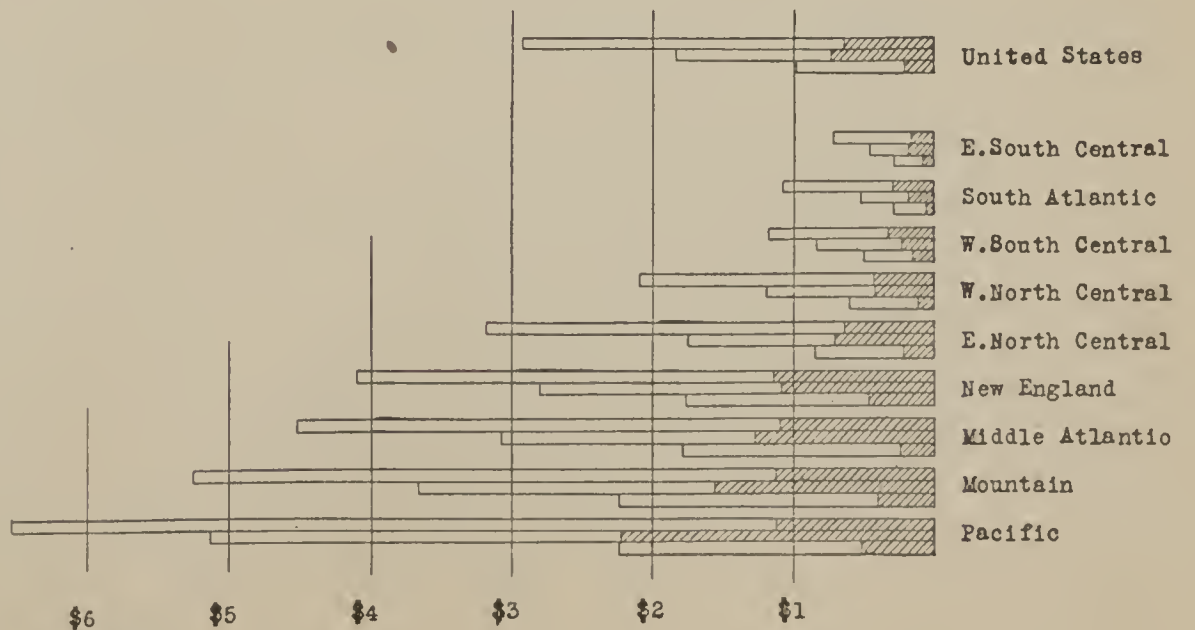


Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations, amounting to 8.7% of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives gross income, total expenses and surplus for 1902 and 1912; and gross income, operating expenses and not income for 1907.

Amounts for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated on the assumption that total amounts are in proportion to total power output.

The upper line for each State and Geographic Division represents amounts for 1912; the middle line for 1907; and the lower line for 1902. Gross income is represented by the entire lines.

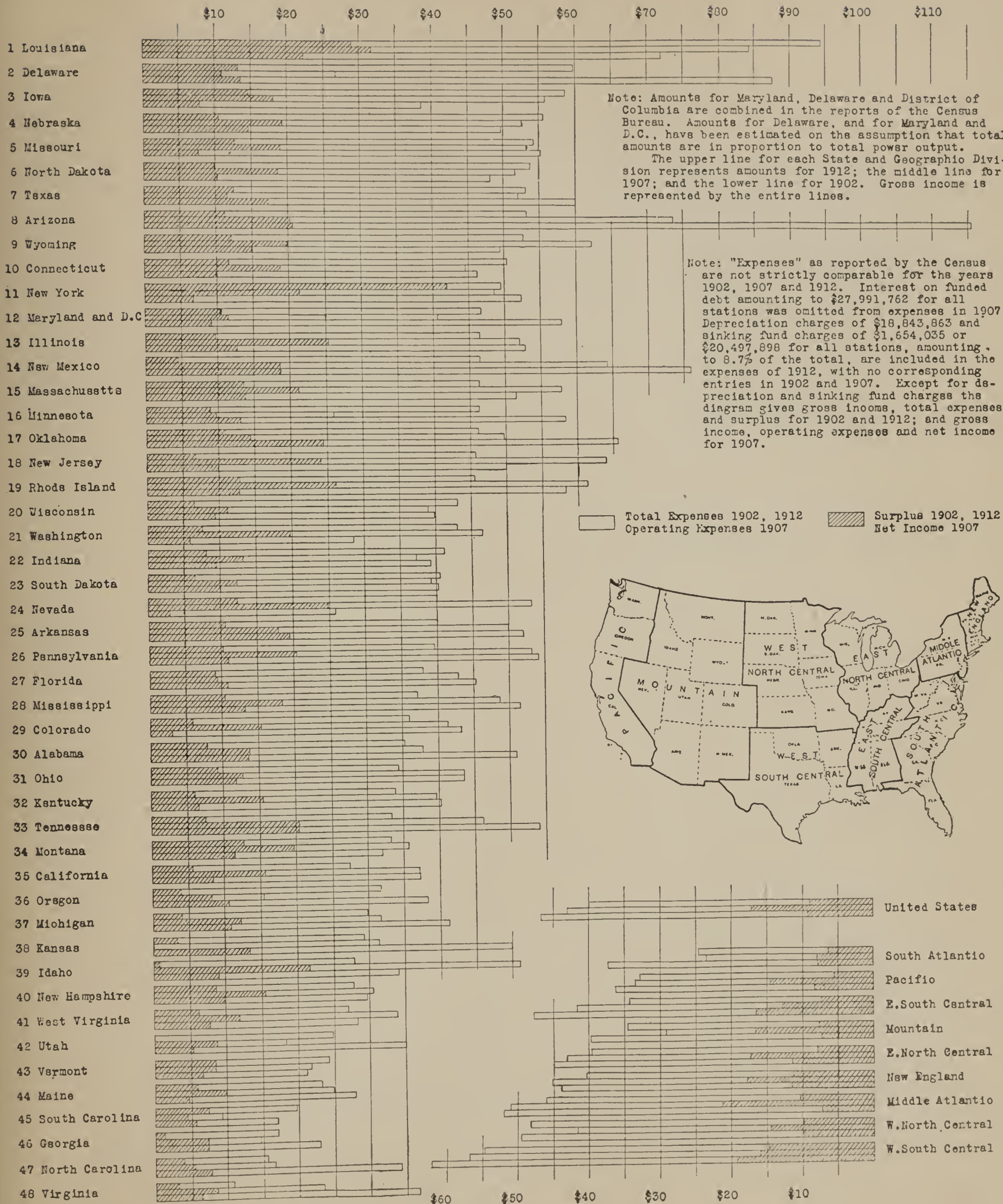
□ Total Expenses 1912, 1902  
□ Operating Expenses 1907  
▨ Surplus 1912, 1902  
Net Income 1907







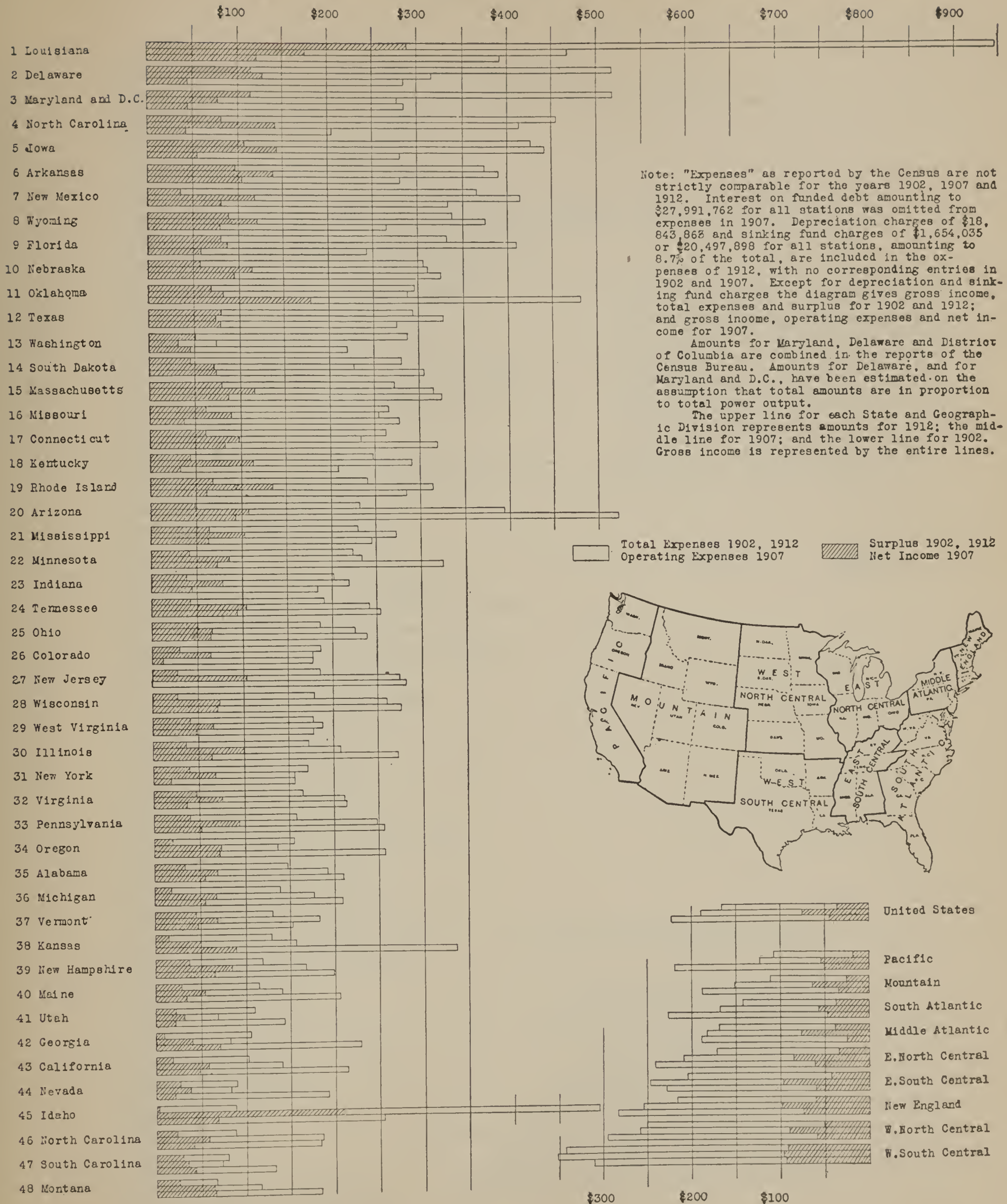
Income, Expenses and Surplus, Per Horse-Power of Primary Power, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures







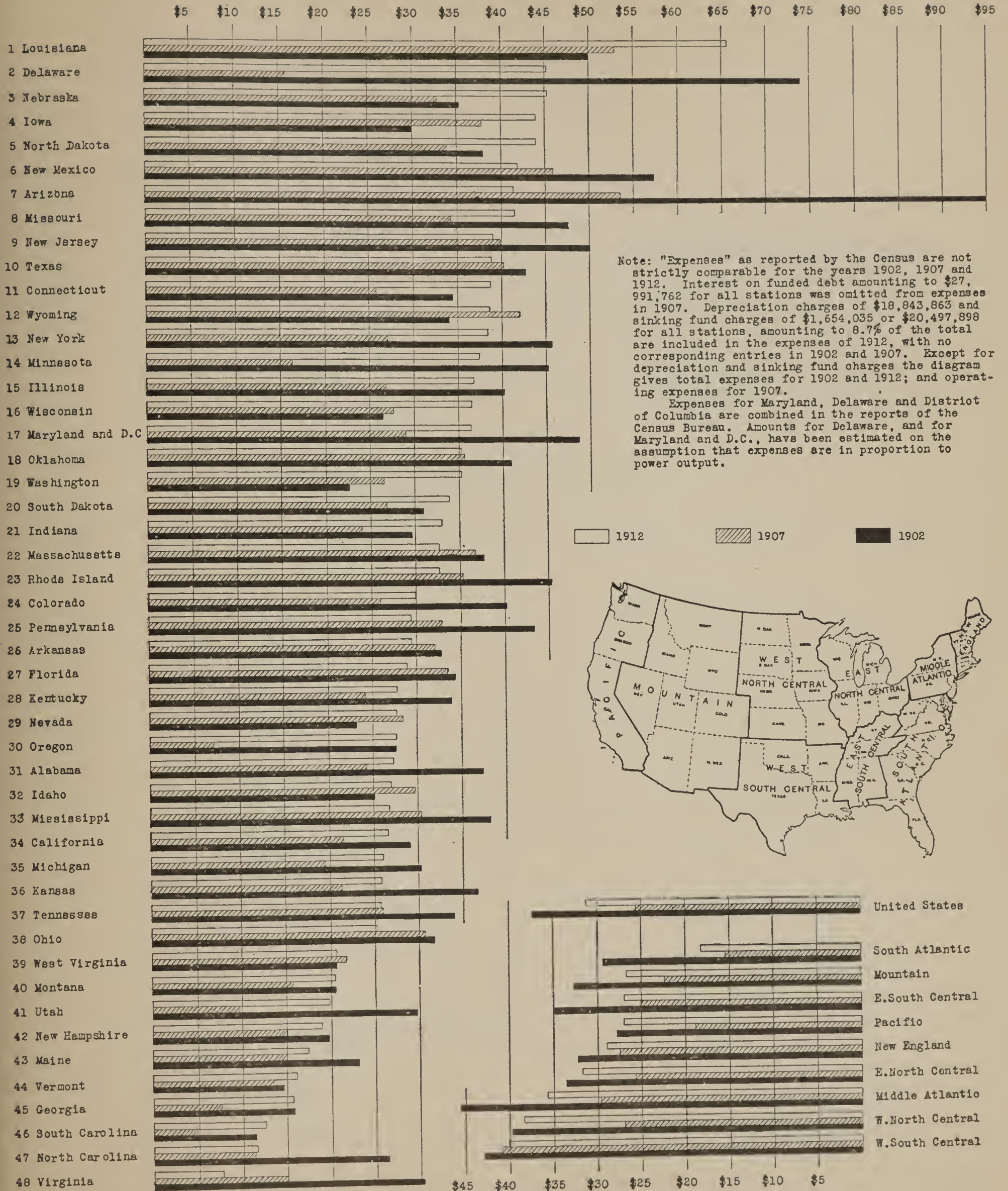
Income, Expenses and Surplus, Per Horse-Power Year of Output, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures







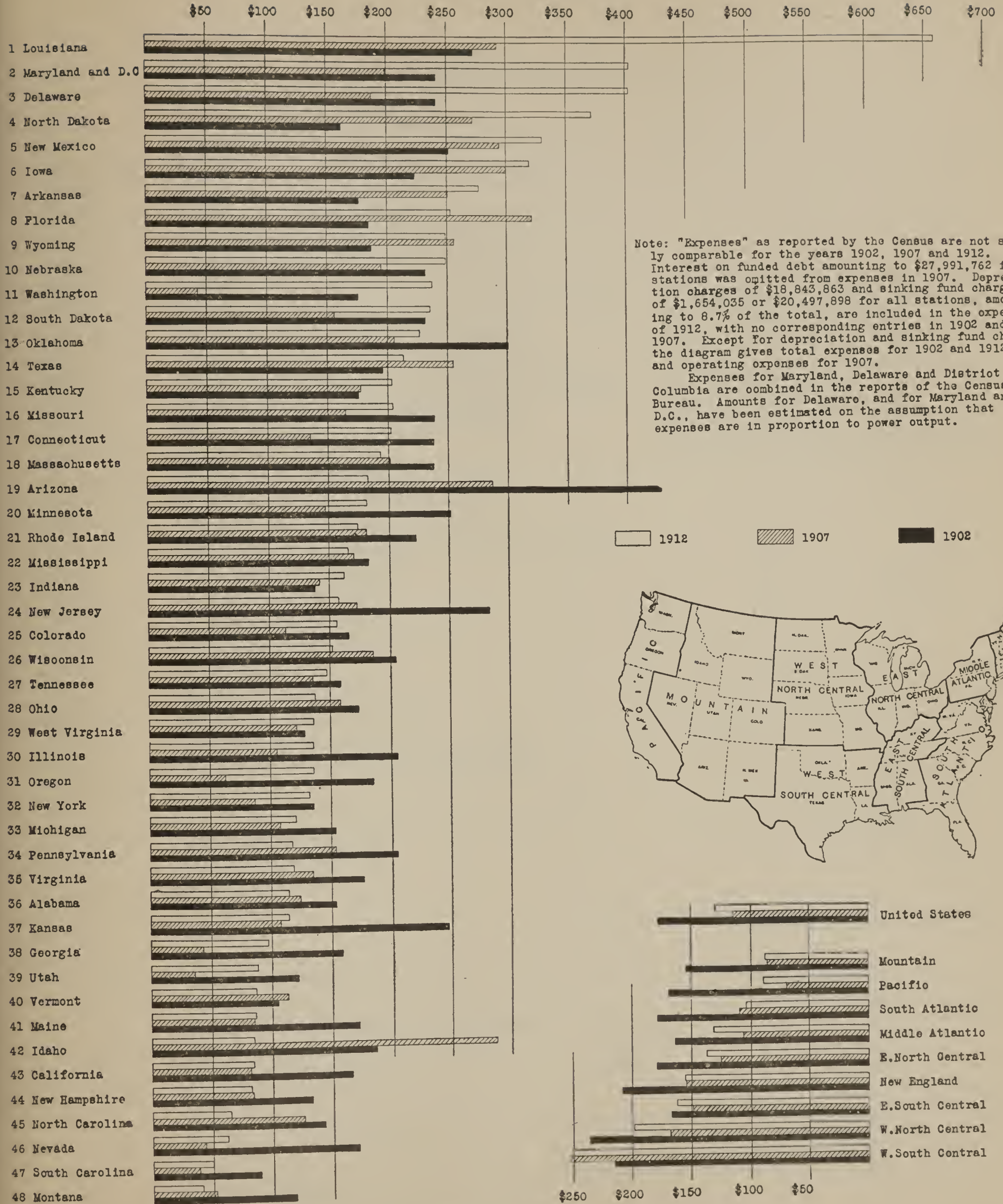
Expenses Per Horse-Power of Primary Power, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures







Expenses Per Horse-Power Year of Output, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures



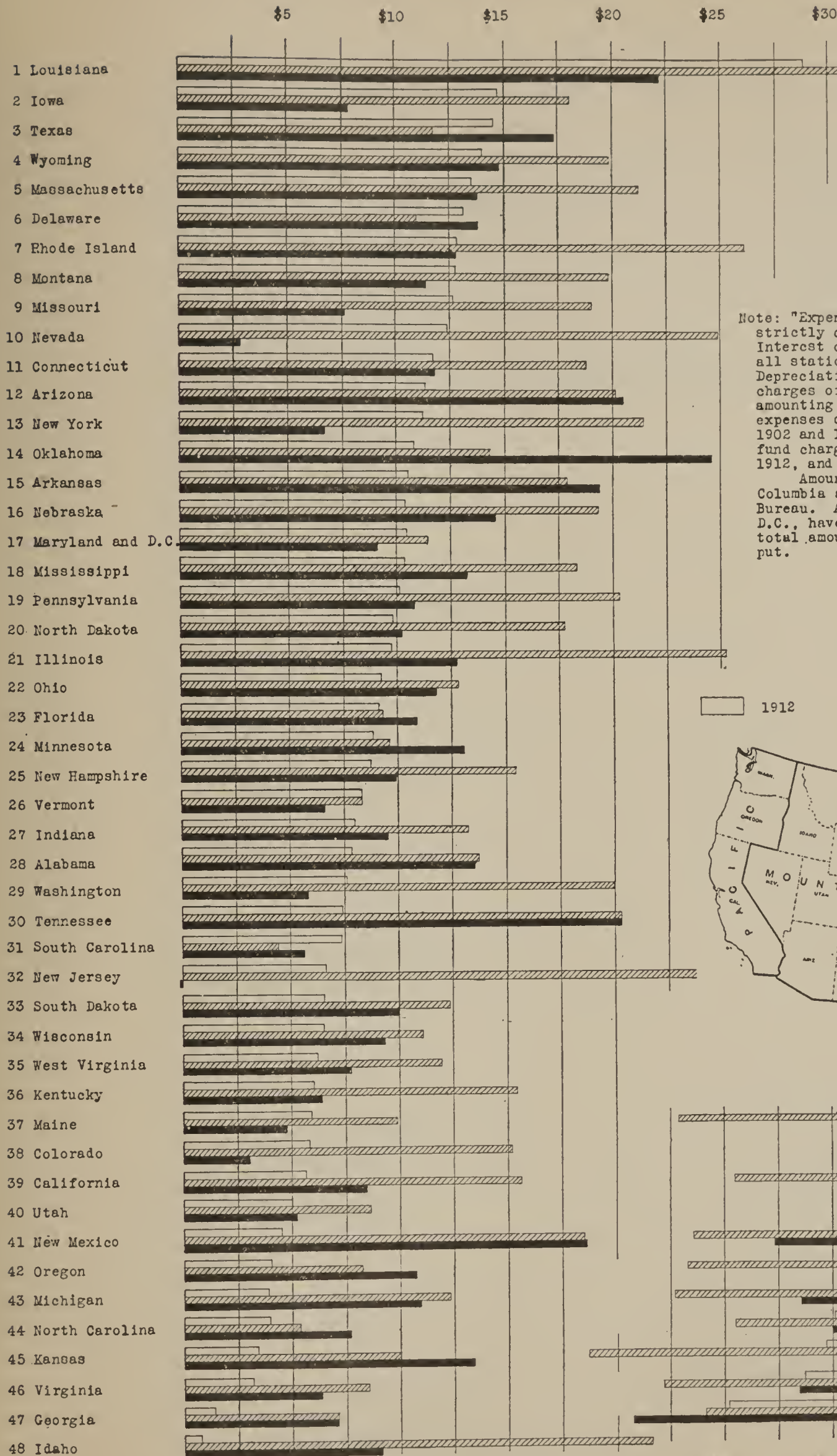
Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations, amounting to 8.7% of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives total expenses for 1902 and 1912, and operating expenses for 1907.

Expenses for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated on the assumption that expenses are in proportion to power output.





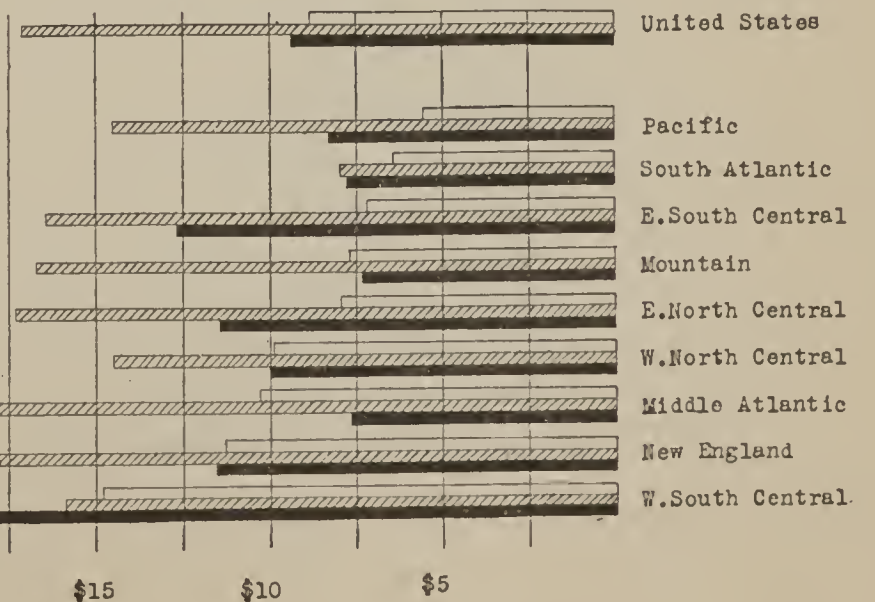
Net Income 1907, and Surplus 1912 and 1902, Per Horse-Power of Primary Power  
By States and by Geographic Divisions  
In Order of 1912 Figures



Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations amounting to 8.7% of the total are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives surplus for 1902 and 1912, and net income for 1907.

Amounts for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated on the assumption that total amounts are in proportion to total power output.

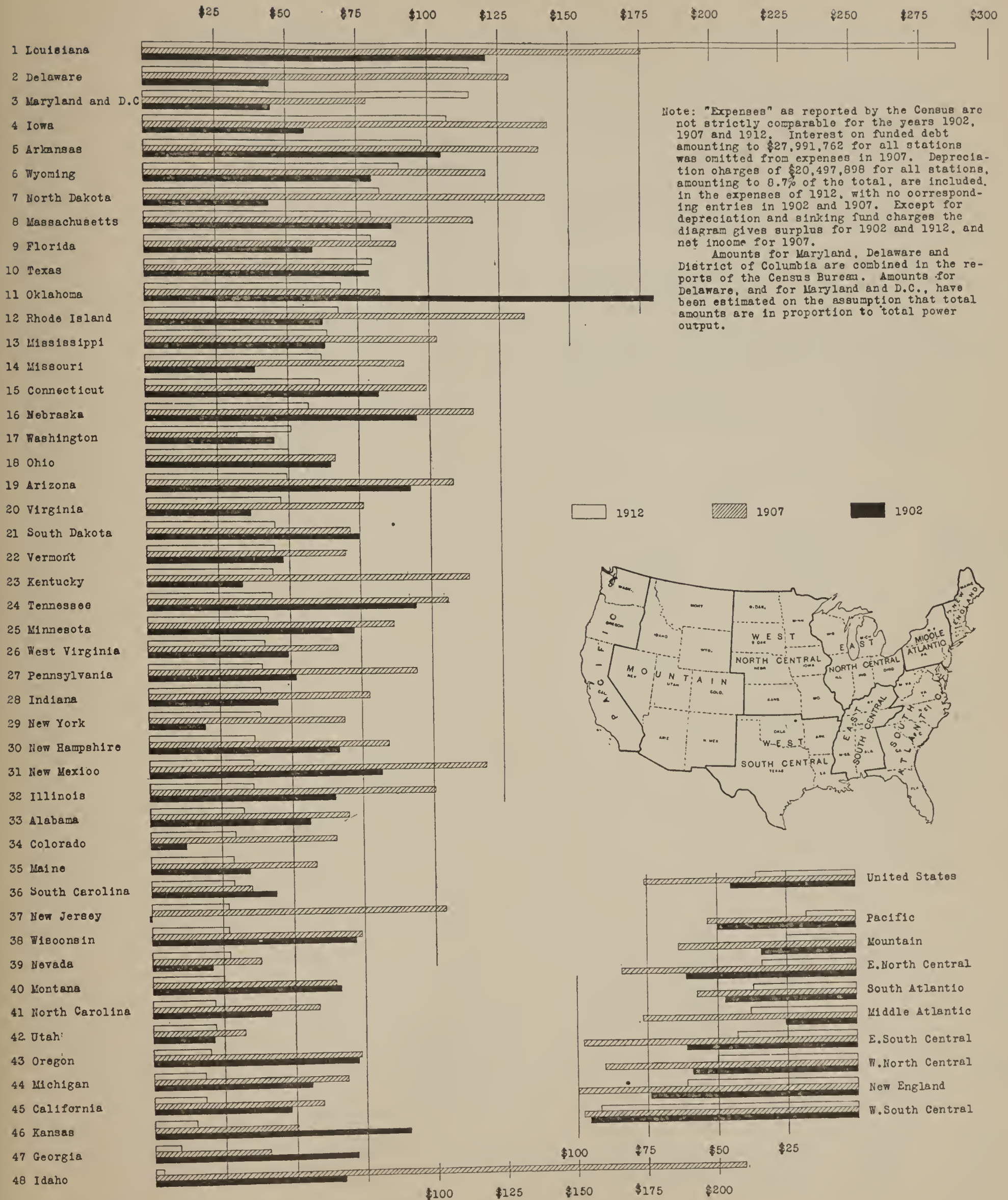
1912 1907 1902







Net Income 1907, and Surplus 1912 and 1902, Per Horse-Power Year of Output  
By States and by Geographic Divisions  
In Order of 1912 Figures



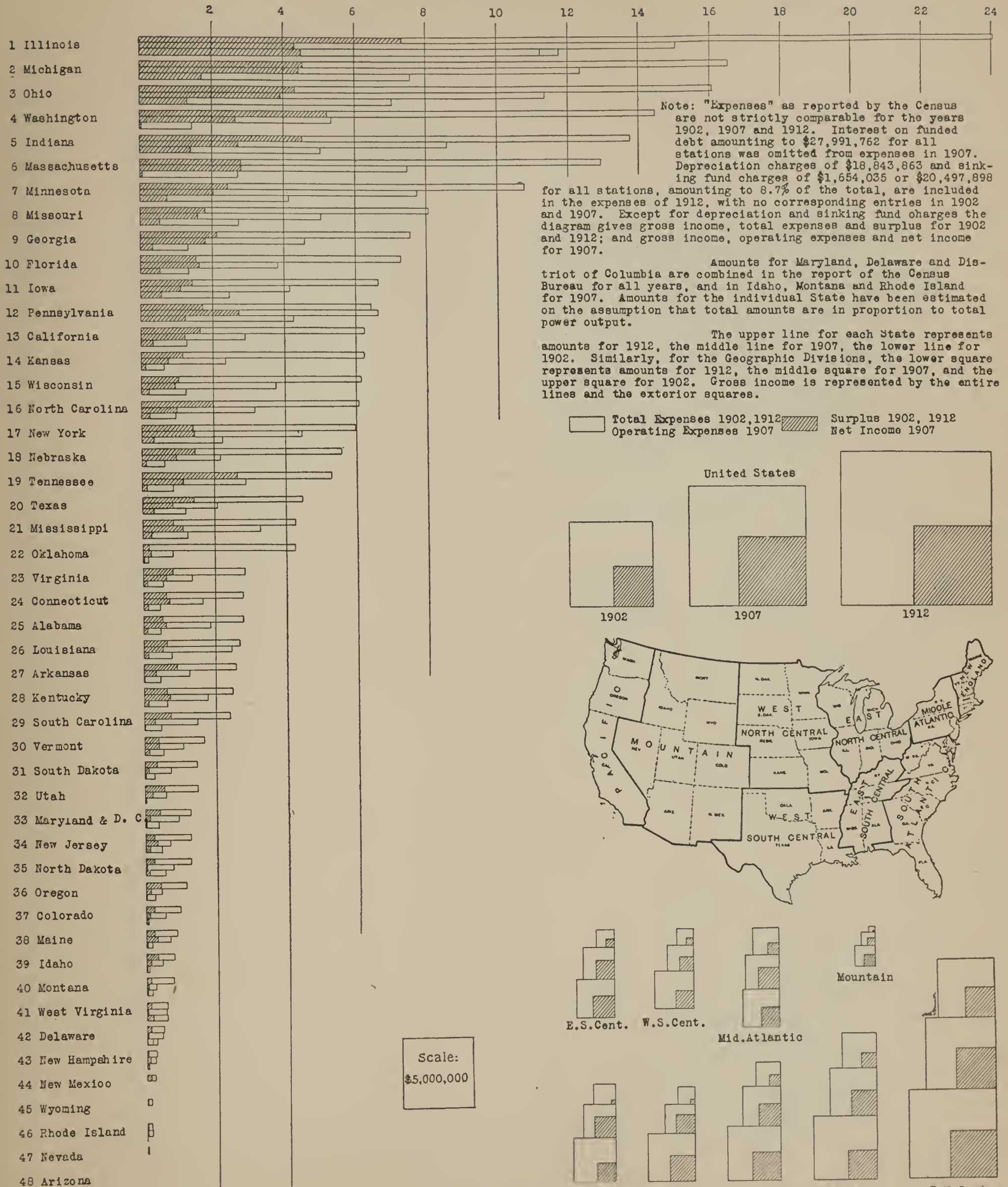
Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$20,497,898 for all stations, amounting to 8.7% of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives surplus for 1902 and 1912, and net income for 1907.

Amounts for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated on the assumption that total amounts are in proportion to total power output.





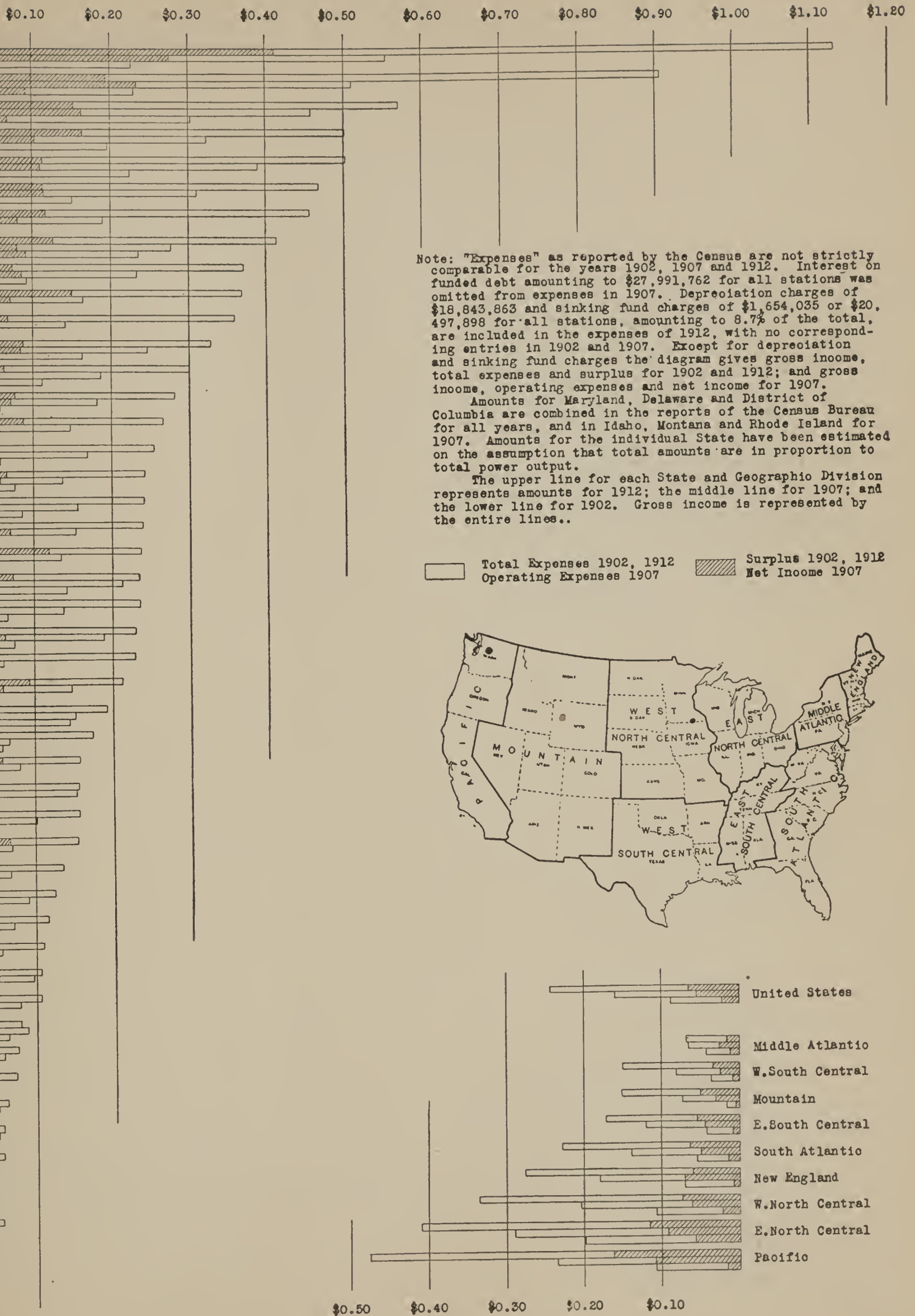
Income, Expenses and Surplus, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Hundreds of Thousands of Dollars







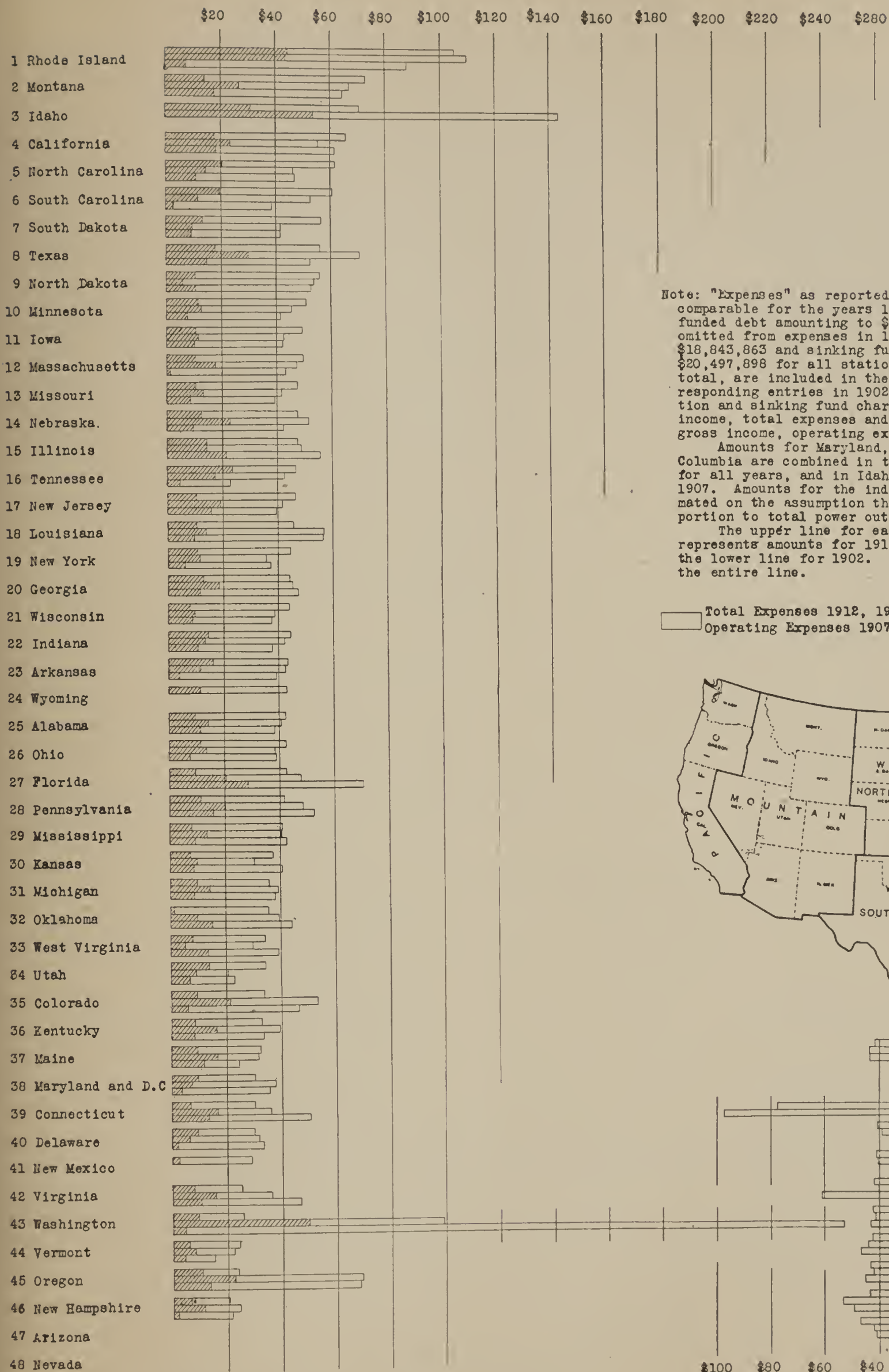
Income, Expenses and Surplus Per Capita, 1912, 1907 and 1902  
By State and by Geographic Divisions  
In Order of 1912 Figures







Income, Expenses and Surplus, Per Horse-Power of Primary Power, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures

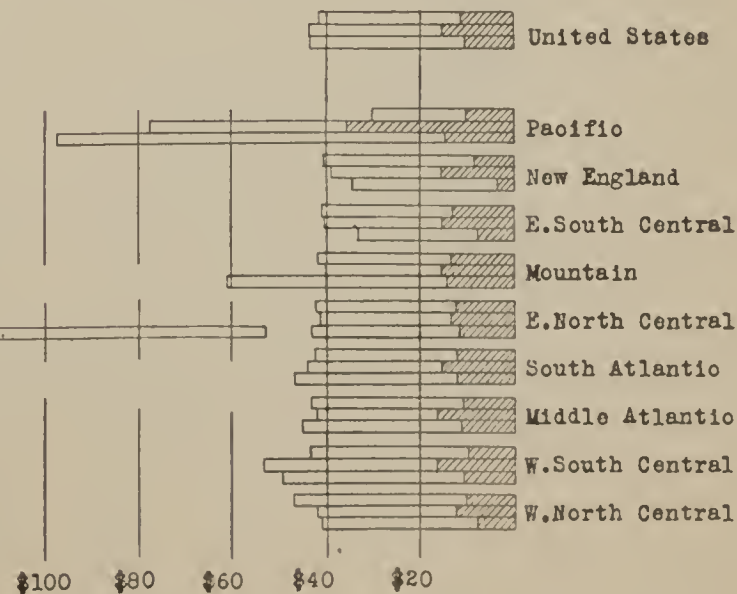


Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations, amounting to 8.7% of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives gross income, total expenses and surplus for 1902 and 1912; and gross income, operating expenses and net income for 1907.

Amounts for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau for all years, and in Idaho, Montana and Rhode Island for 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total power output.

The upper line for each State and Geographic Division represents amounts for 1912; the middle line for 1907; and the lower line for 1902. Gross income is represented by the entire line.

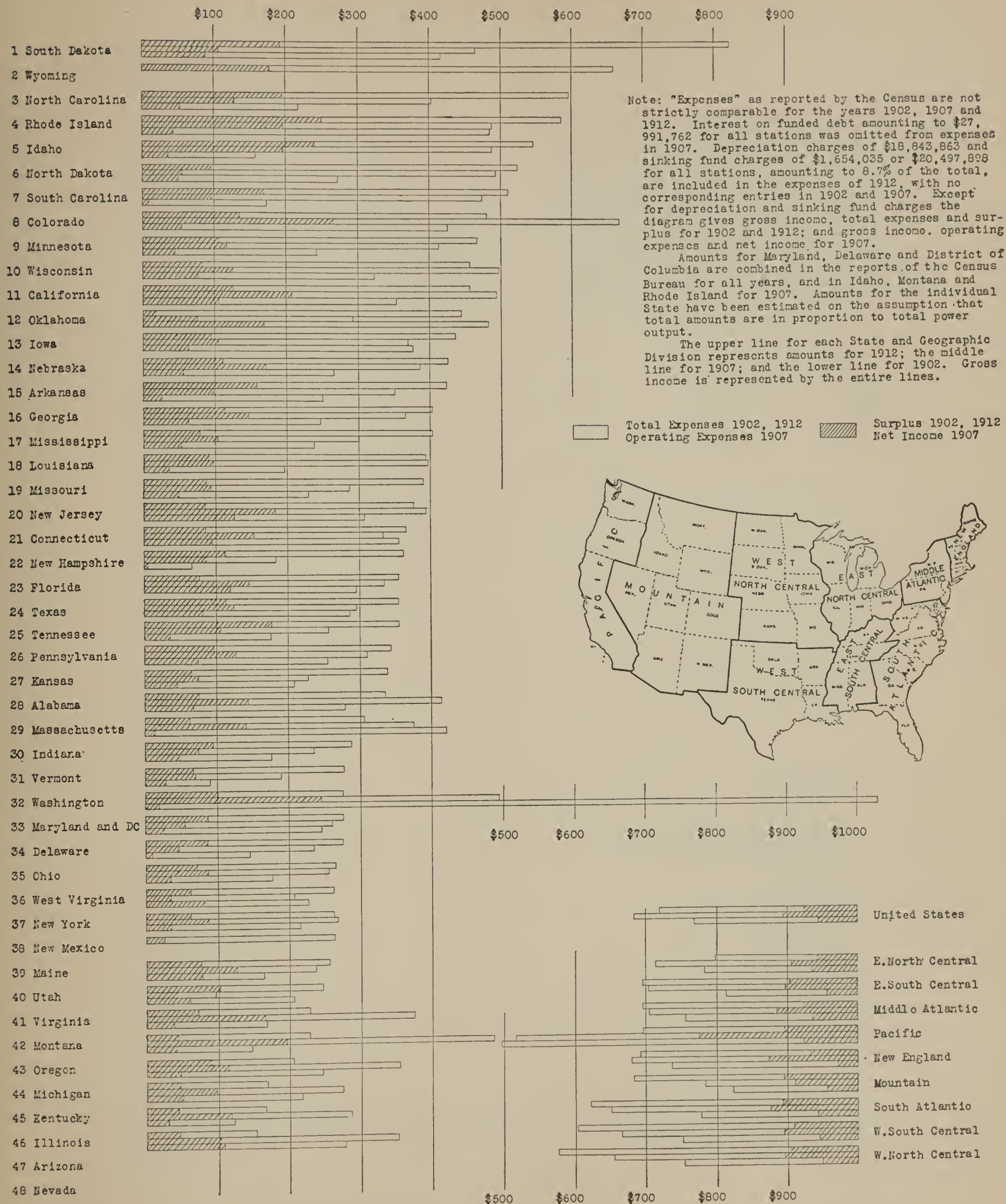
Total Expenses 1912, 1902  
 Operating Expenses 1907  
 Surplus 1912, 1902  
 Net Income 1907







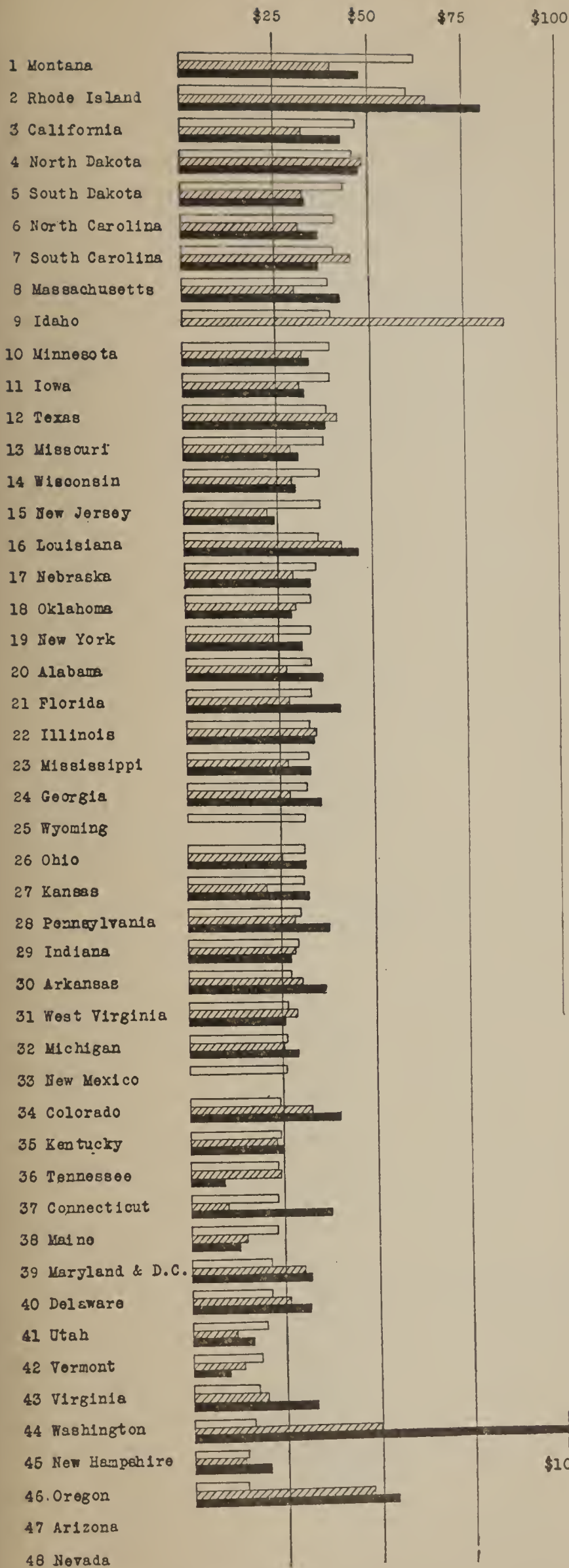
Income, Expenses and Surplus, Per Horse-Power Year of Output, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures







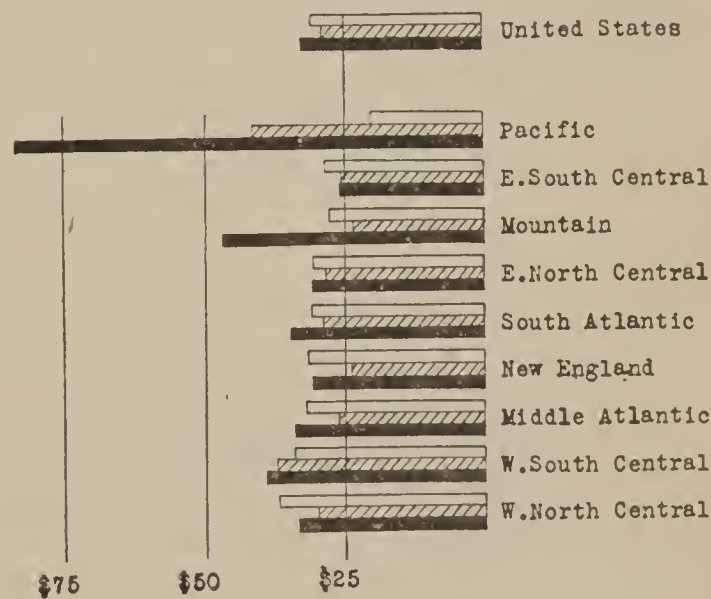
Expenses Per Horse-Power of Primary Power, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures



Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations, amounting to 8.7% of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives total expenses for 1902 and 1912; and operating expenses for 1907.

Expenses for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau for all years, and in Idaho, Montana and Rhode Island for 1907. Amounts for the individual State have been estimated on the assumption that expenses are in proportion to power output.

1912 1907 1902



\$100 \$125 \$150 \$175 \$200 \$225 \$250

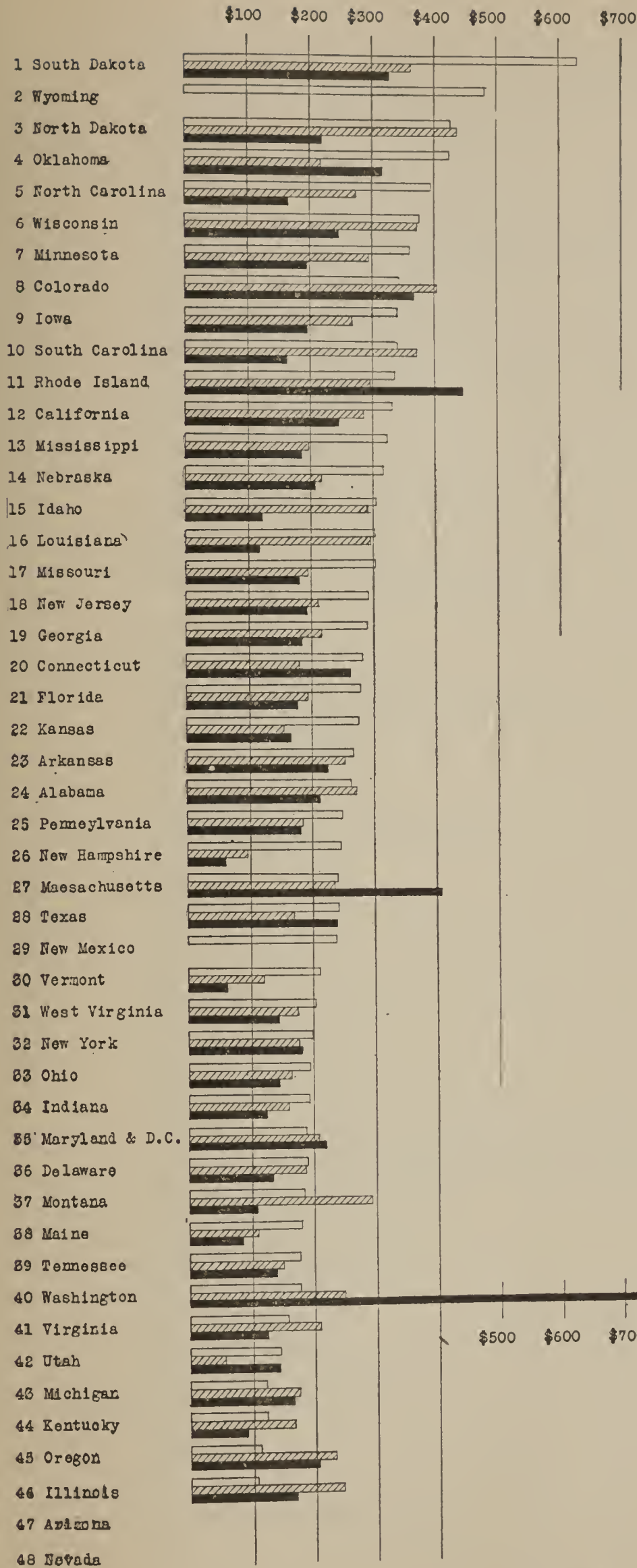




MUNICIPAL CENTRAL STATIONS

Expenses Per Horse-Power Year of Output, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures

PLATE 86



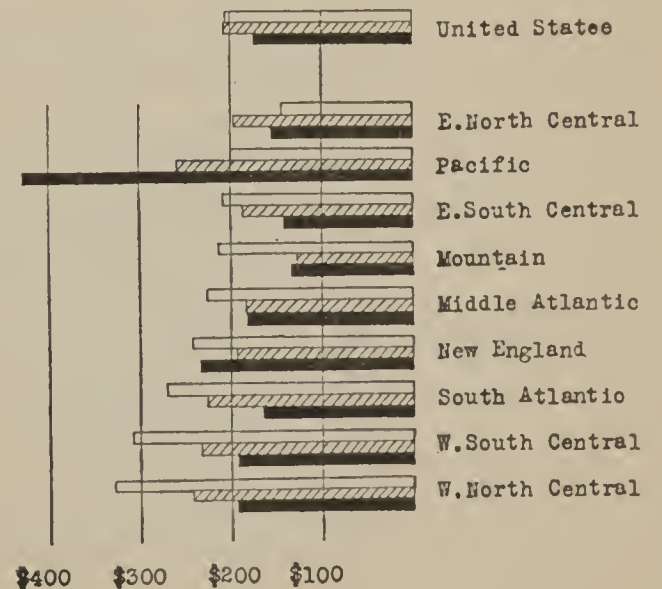
Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations, amounting to 8.7% of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives total expenses for 1902 and 1912, and operating expenses for 1907.

Expenses for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau for all years, and in Idaho, Montana and Rhode Island for 1907. Amounts for the individual State have been estimated on the assumption that expenses are in proportion to power output.

1912 1907 1902



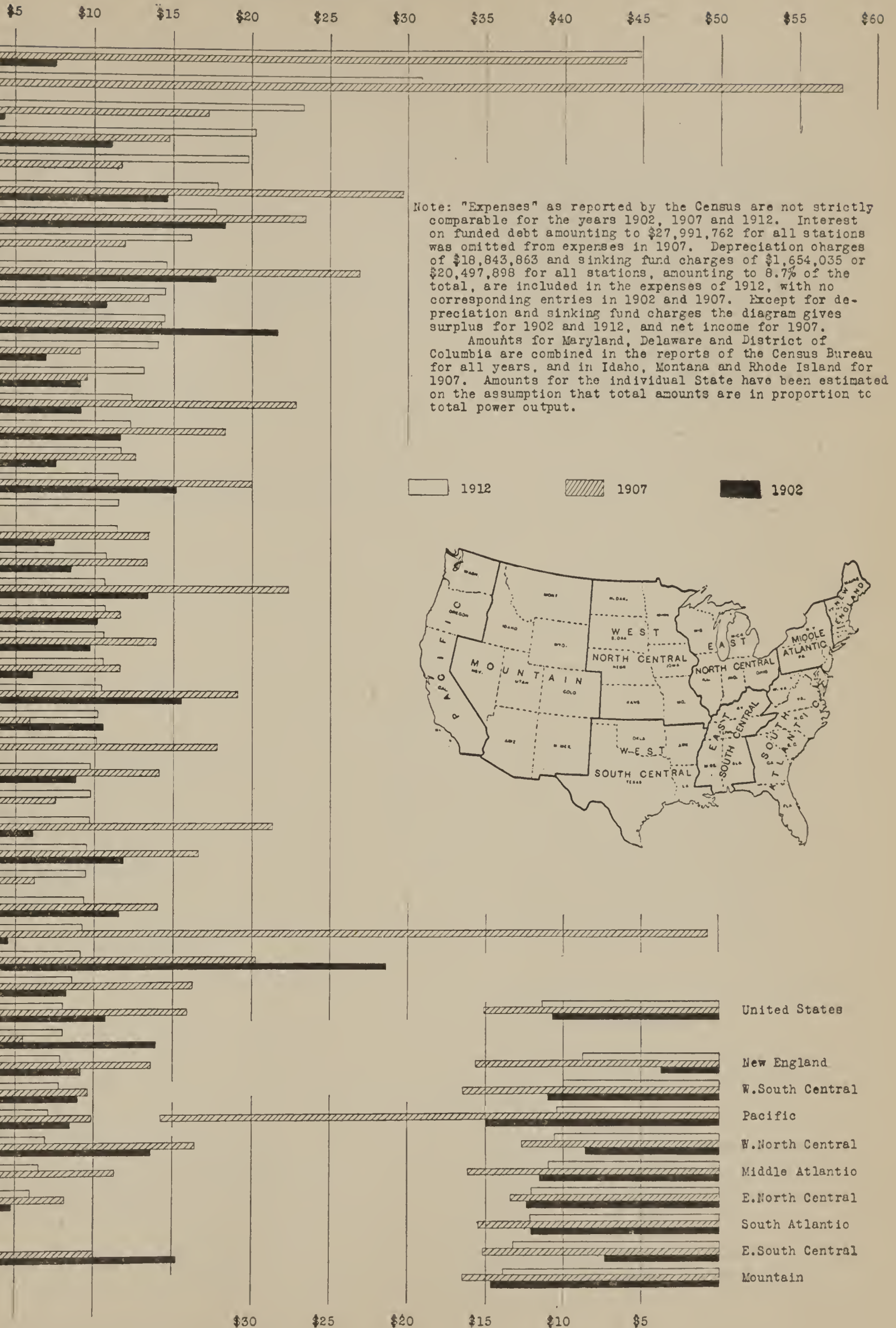
\$500 \$600 \$700 \$800 \$900 \$1000







Net Income 1907, and Surplus 1912 and 1902, Per Horse-Power of Primary Power  
By States and by Geographic Divisions  
In Order of 1912 Figures





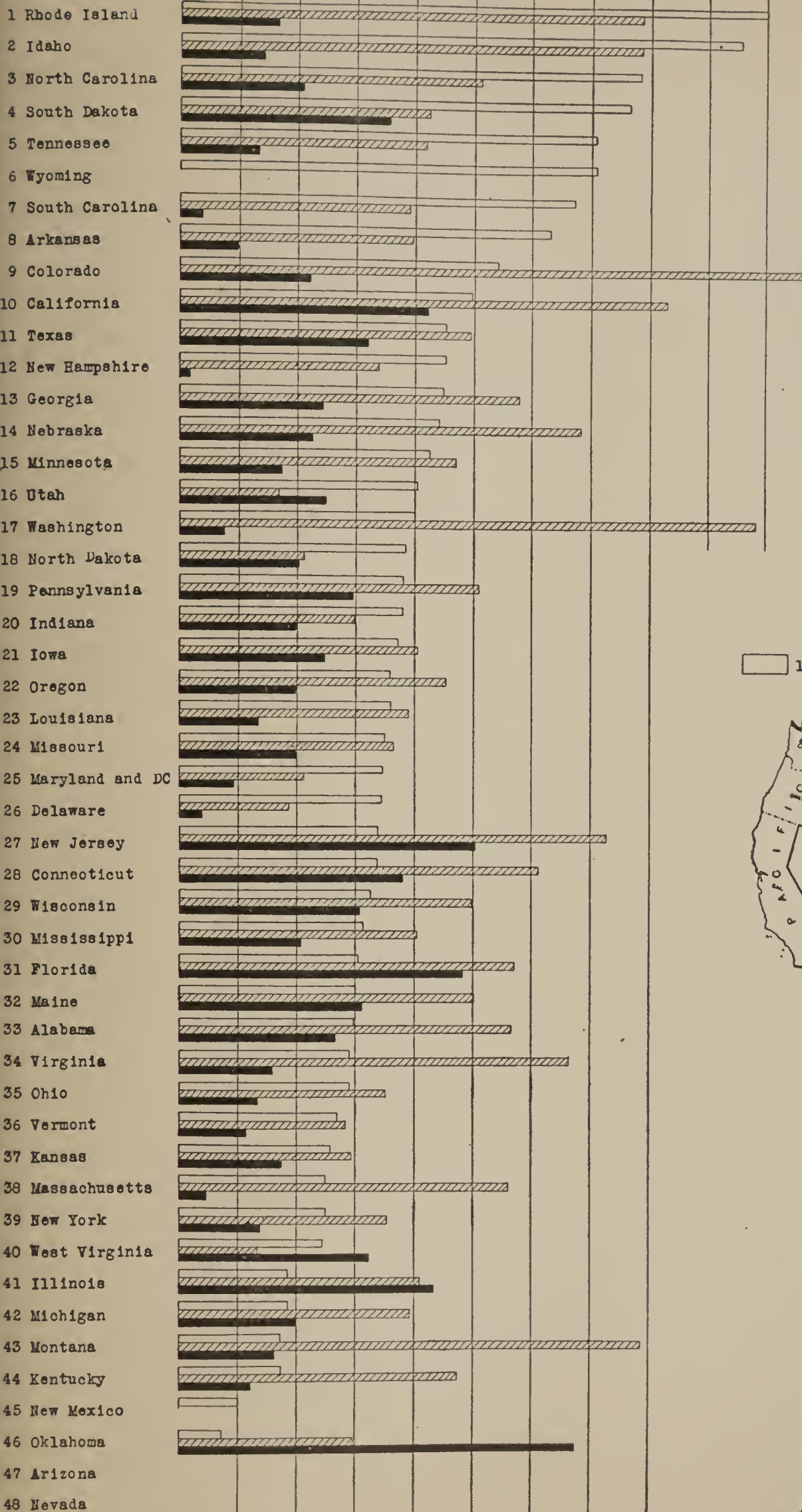


# MUNICIPAL CENTRAL STATIONS

PLATE 88

Net Income 1907, and Surplus 1912 and 1902, Per Horse-Power Year of Output  
By States and by Geographic Divisions  
In Order of 1912 Figures

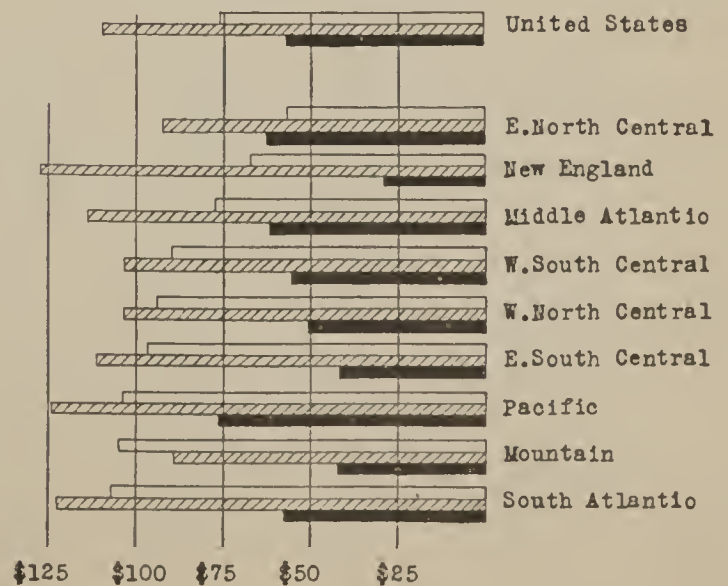
\$25 \$50 \$75 \$100 \$125 \$150 \$175 \$200 \$225 \$250 \$275



Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations, amounting to 8.7% of the total, are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives surplus for 1902 and 1912, and net income for 1907.

Amounts for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau for all years, and in Idaho, Montana and Rhode Island for 1907. Amounts for the individual State have been estimated on the assumption that total amounts are in proportion to total output.

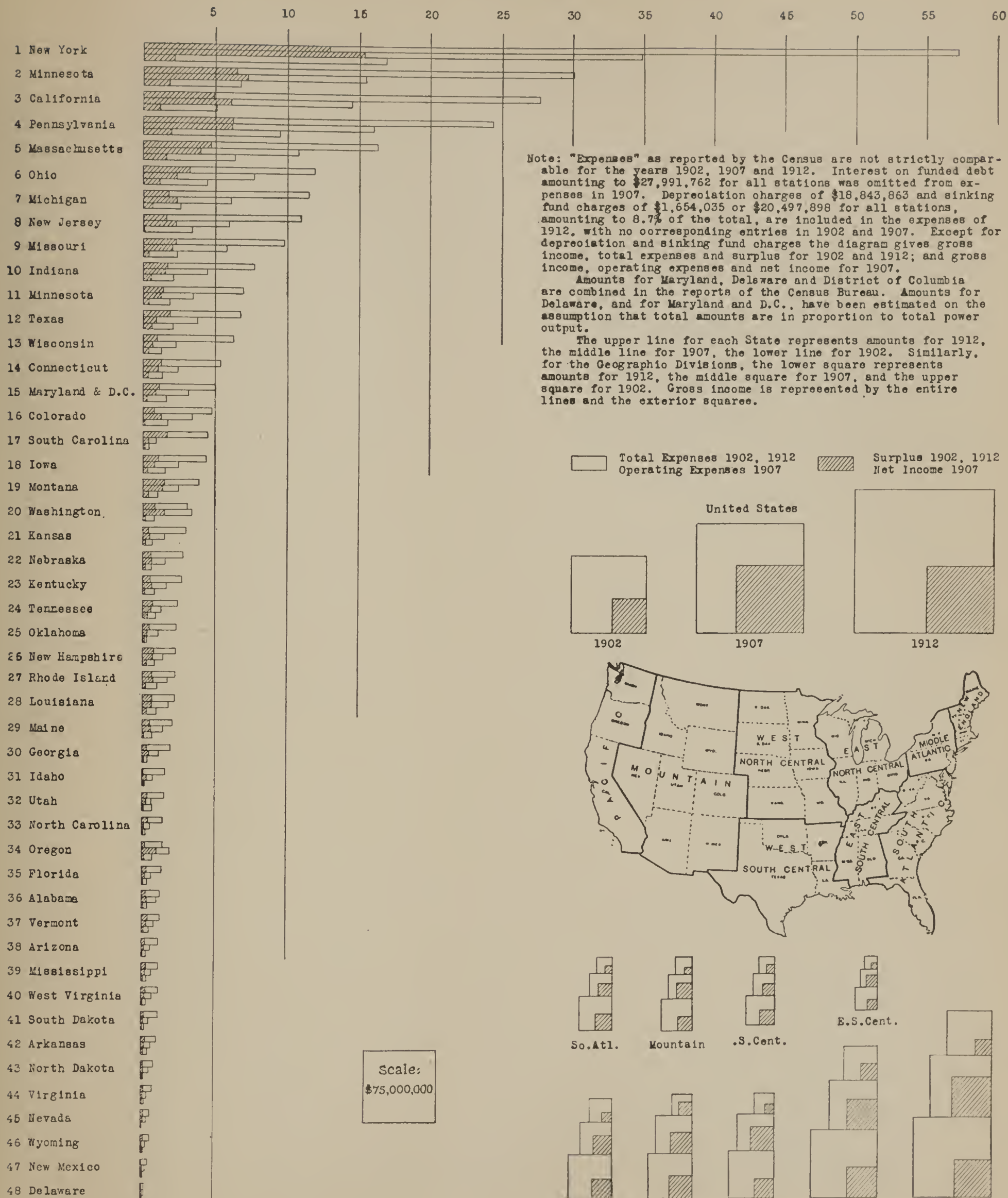
1912 1907 1902







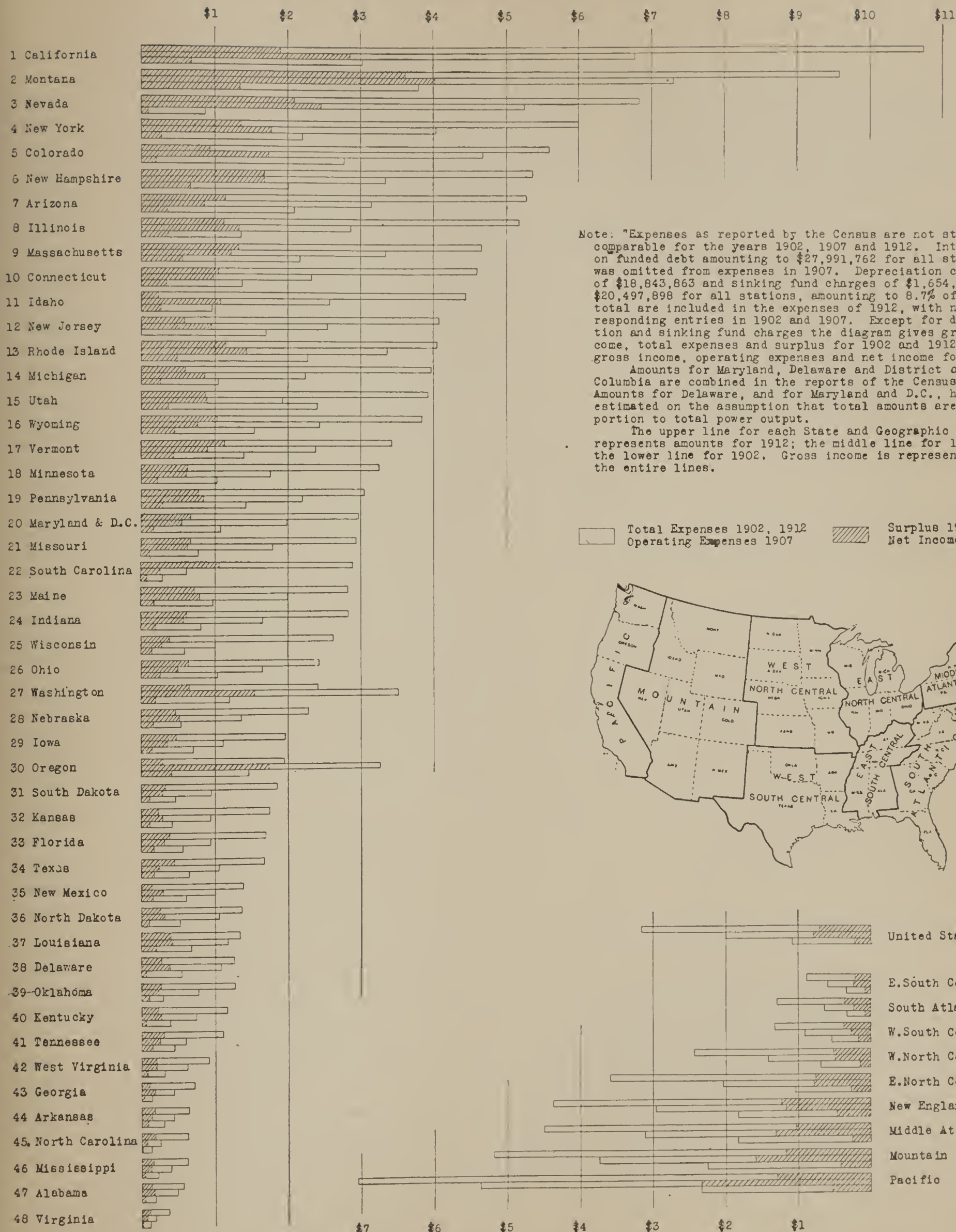
Income, Expenses and Surplus, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Millions of Dollars







Income, Expenses and Surplus, Per Capita, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures

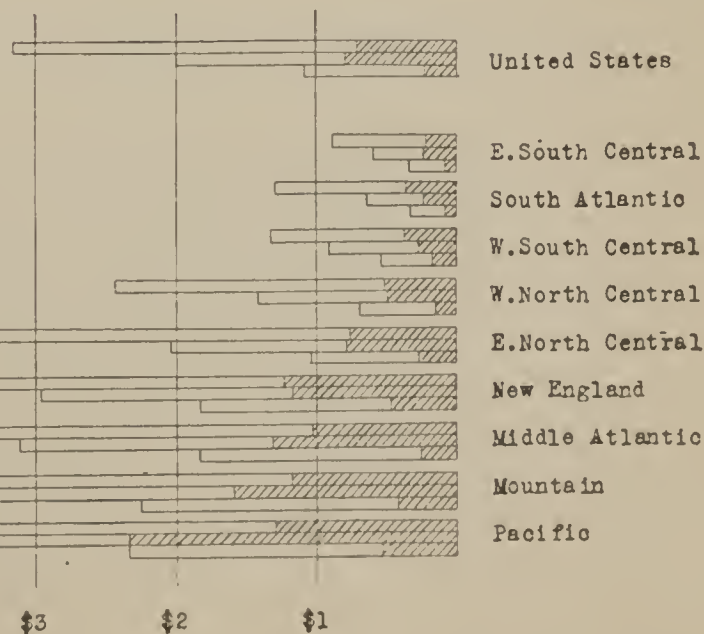


Note: "Expenses as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations, amounting to 8.7% of the total are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives gross income, total expenses and surplus for 1902 and 1912; and gross income, operating expenses and net income for 1907.

Amounts for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated on the assumption that total amounts are in proportion to total power output.

The upper line for each State and Geographic Division represents amounts for 1912; the middle line for 1907; and the lower line for 1902. Gross income is represented by the entire lines.

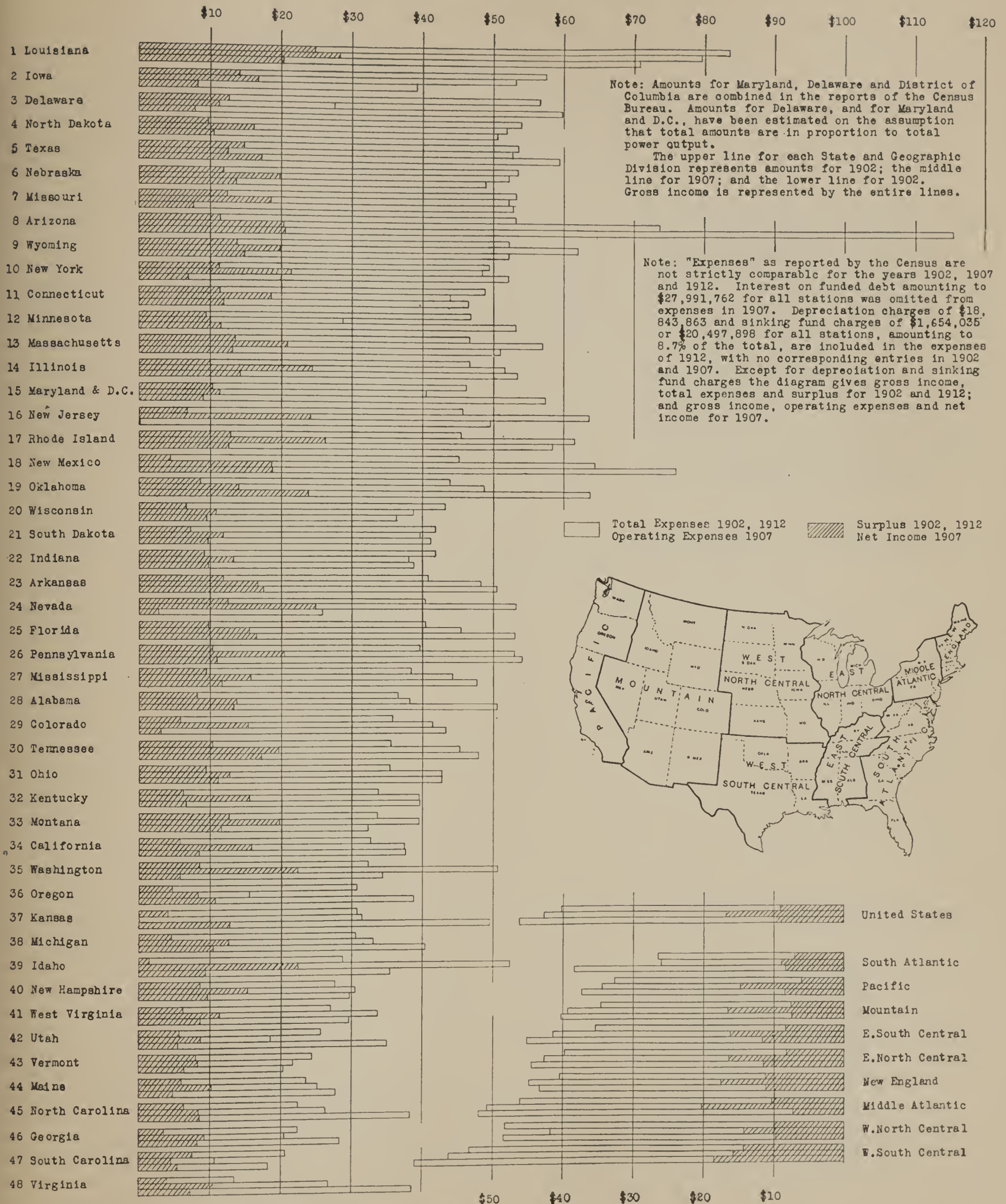
Total Expenses 1902, 1912  
 Operating Expenses 1907  
 Surplus 1902, 1912  
 Net Income 1907







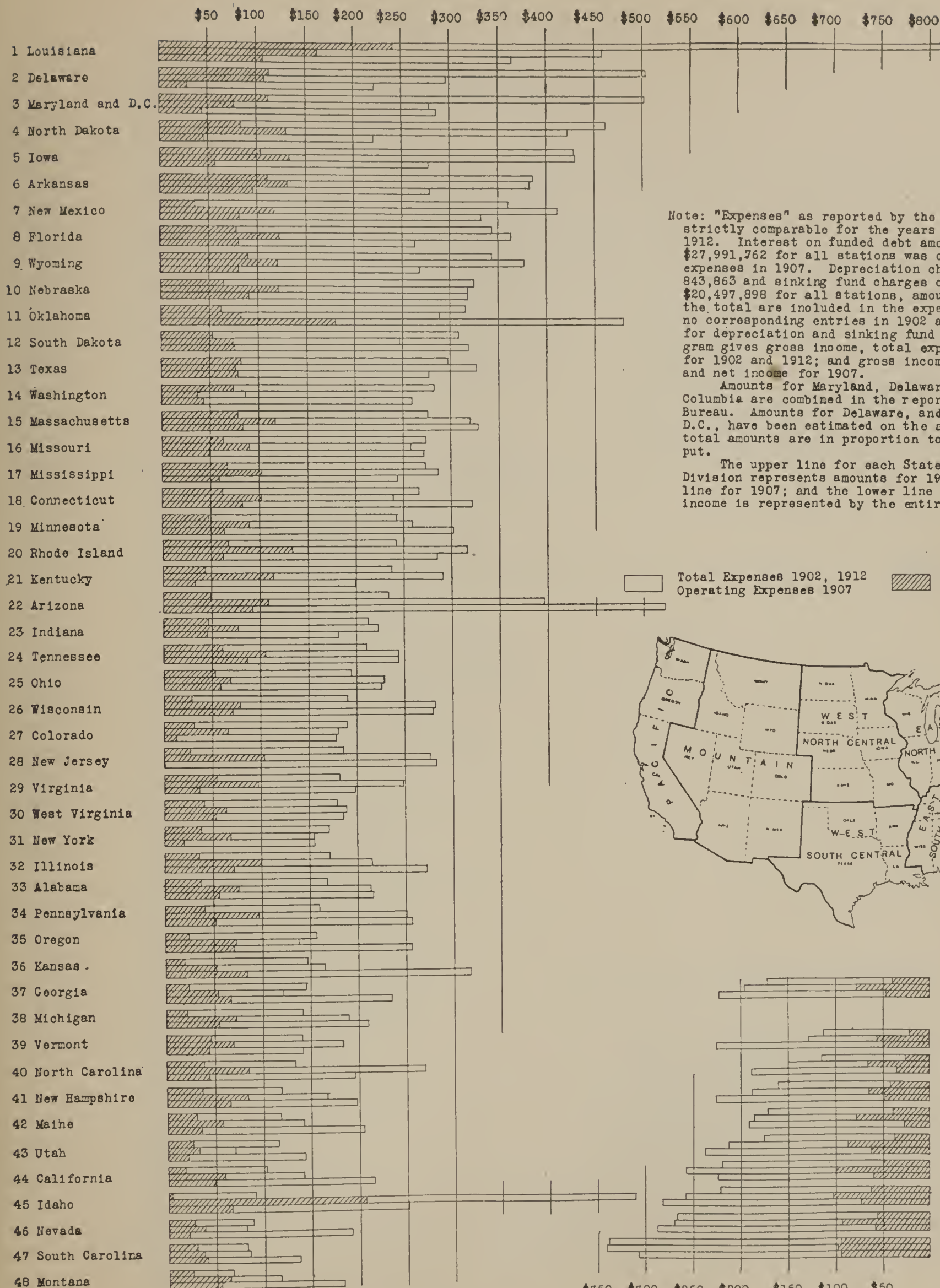
Income, Expenses and Surplus, Per Horse-Power of Primary Power, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures







Income, Expenses and Surplus, Per Horse-Power Year of Output, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures

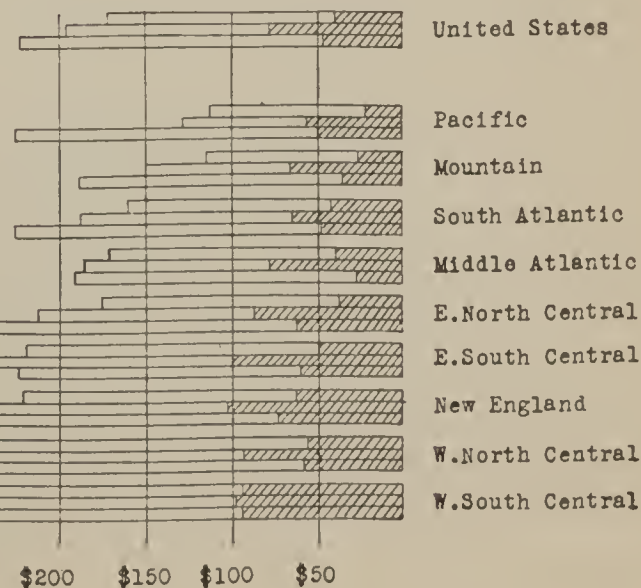


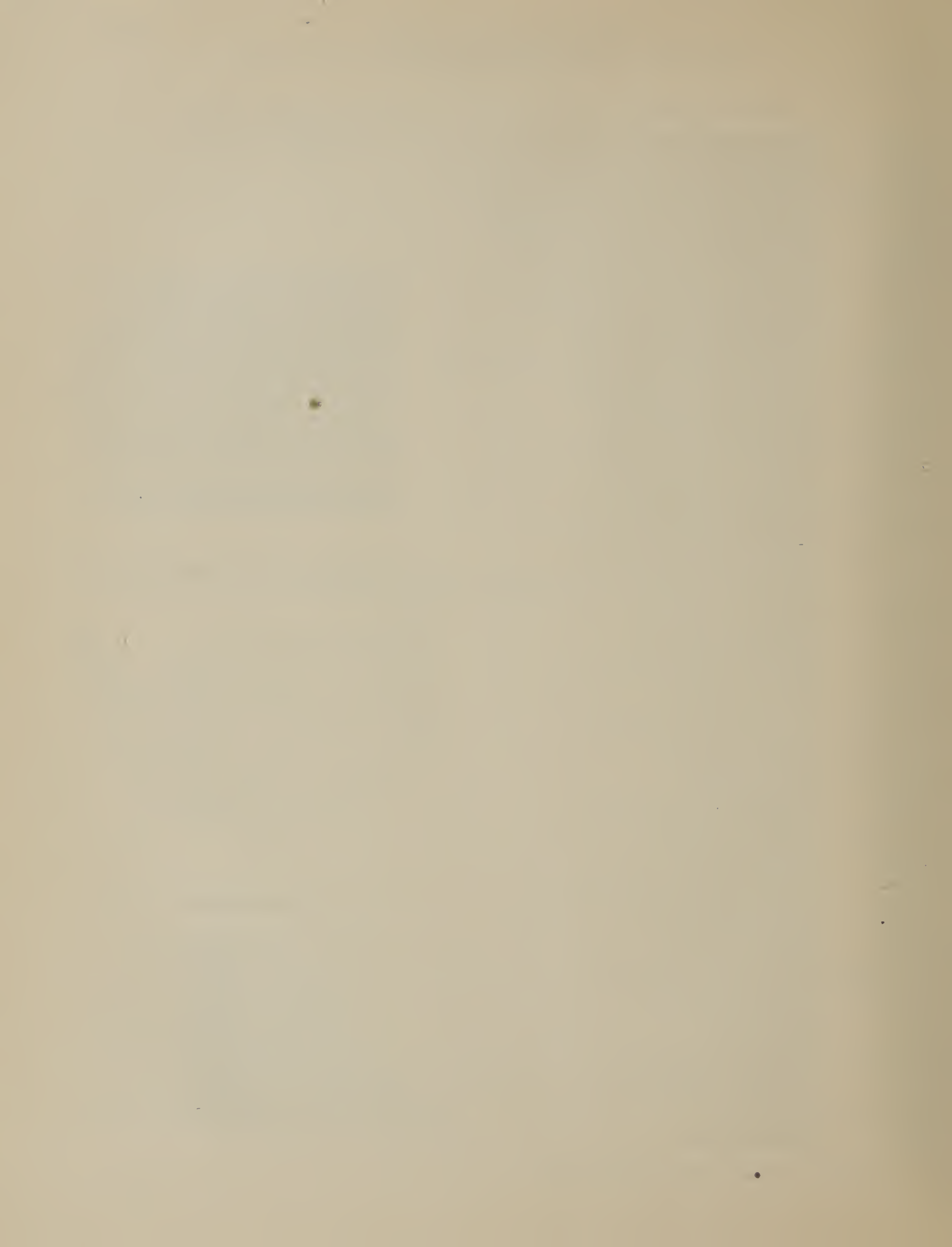
Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations, amounting to 8.7% of the total are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives gross income, total expenses and surplus for 1902 and 1912; and gross income, operating expense and net income for 1907.

Amounts for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated on the assumption that total amounts are in proportion to total power output.

The upper line for each State and Geographic Division represents amounts for 1912; the middle line for 1907; and the lower line for 1902. Gross income is represented by the entire lines.

Total Expenses 1902, 1912  
 Operating Expenses 1907  
 Surplus 1902, 1912  
 Net Income 1907





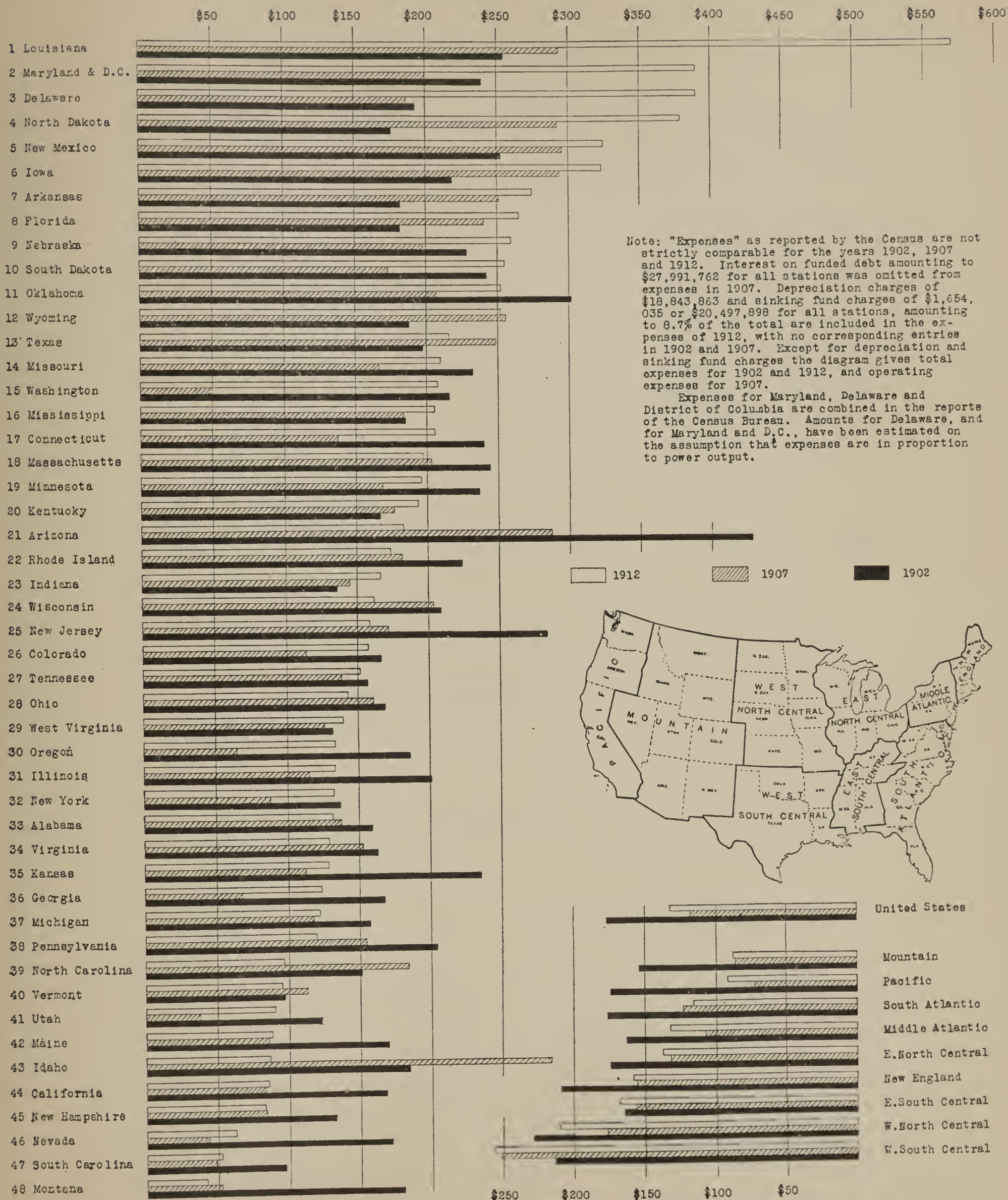


Region	Segment 1 (Solid Black)	Segment 2 (Hatched)	Segment 3 (White)
United States	37.5	12.5	50.0
South Atlantic	30.0	10.0	60.0
Pacific	28.5	11.5	60.0
Mountain	32.5	12.5	55.0
E.South Central	33.0	12.0	55.0
New England	33.5	11.5	55.0
E.North Central	33.0	12.0	55.0
Middle Atlantic	45.0	10.0	45.0
W.North Central	38.5	11.5	50.0
W.South Central	41.0	10.0	49.0





Expenses Per Horse-Power Year of Output, 1912, 1907 and 1902  
By States and by Geographic Divisions  
In Order of 1912 Figures

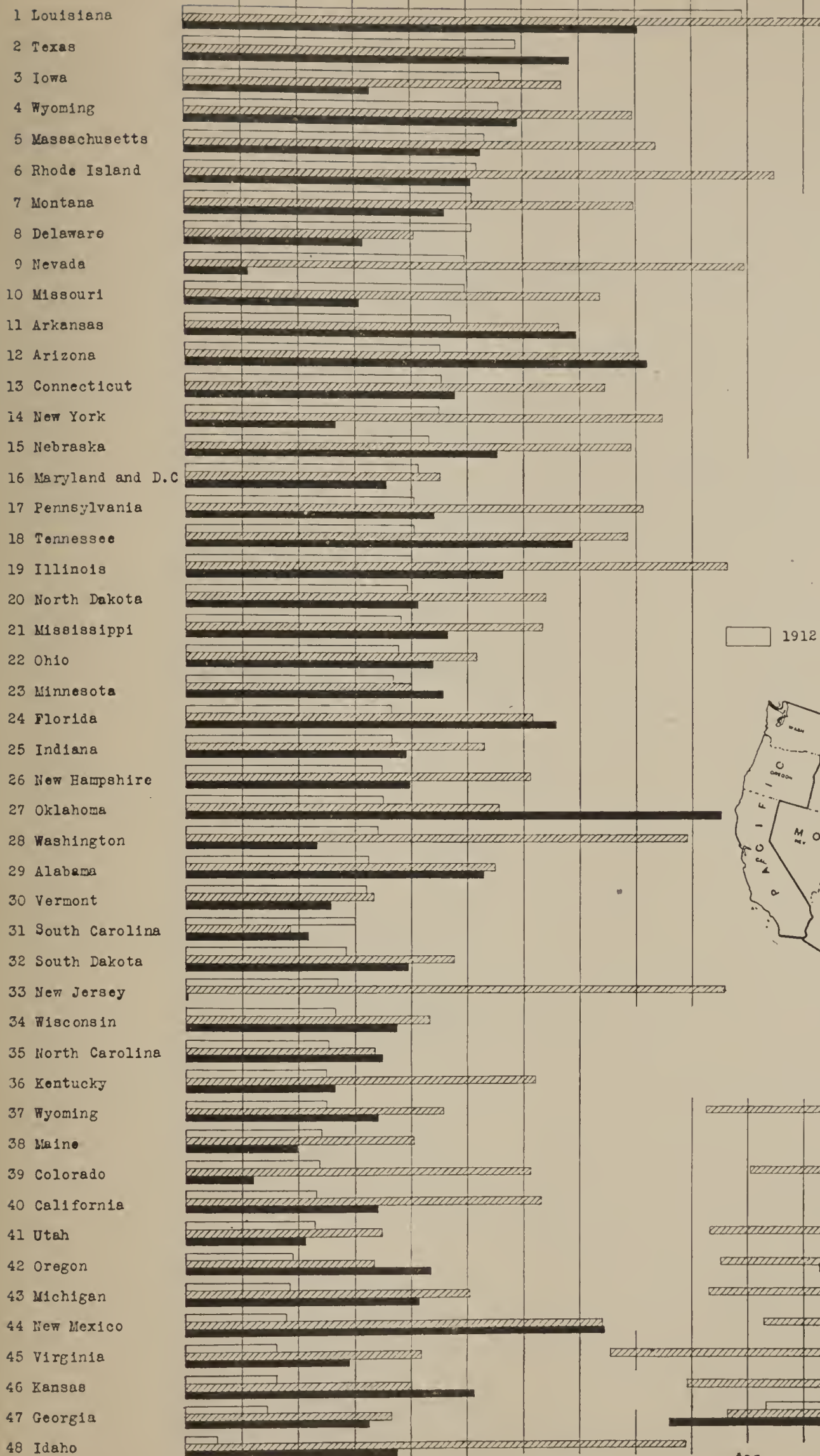






Net Income 1907, and Surplus 1912 and 1902, Per Horse-Power of Primary Power  
By States and by Geographic Divisions  
In Order of 1912 Figures

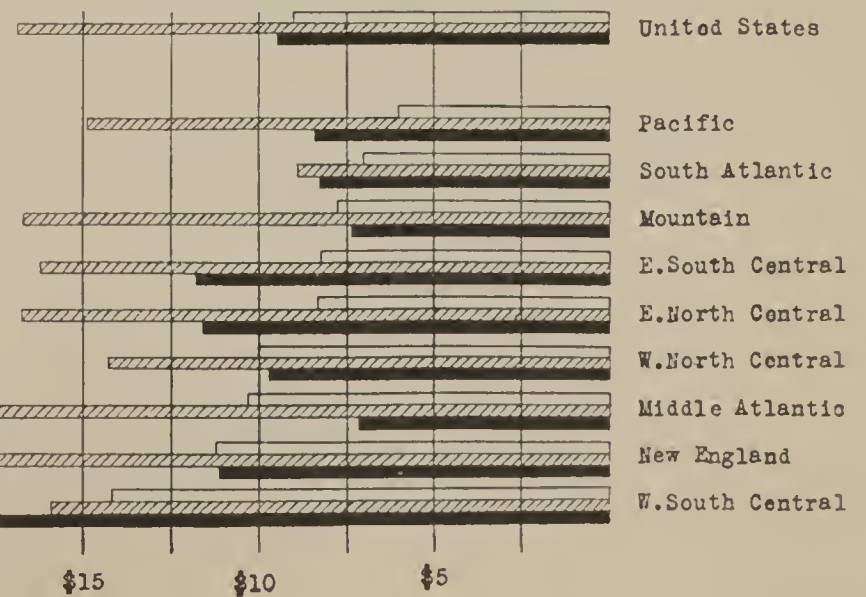
\$5      \$10      \$15      \$20      \$25      \$30



Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all station, amounting to 8.7% of the total are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives surplus for 1902 and 1912, and net income for 1907.

Amounts for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated on the assumption that total amounts are in proportion to total power output.

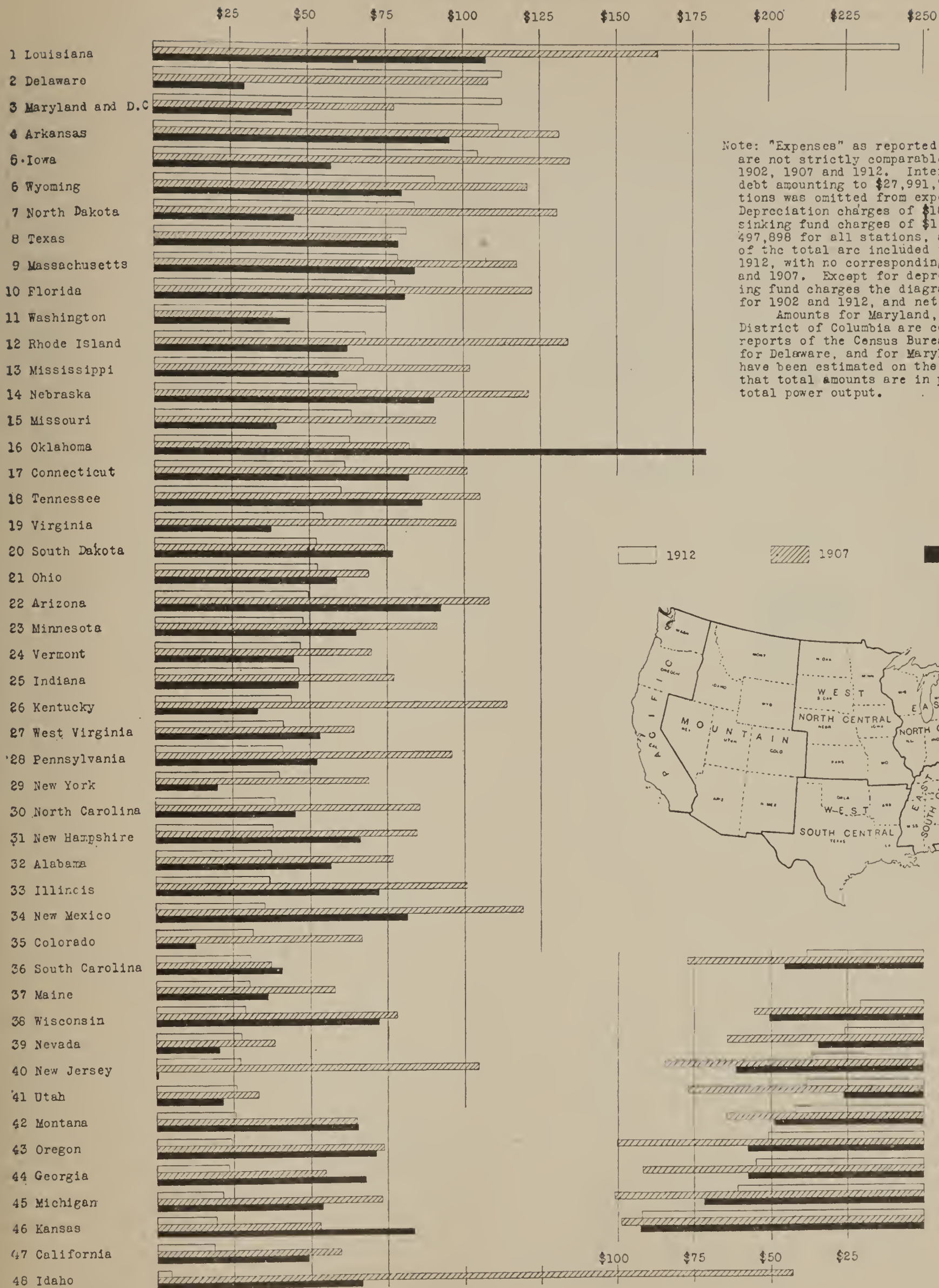
1912      1907      1902







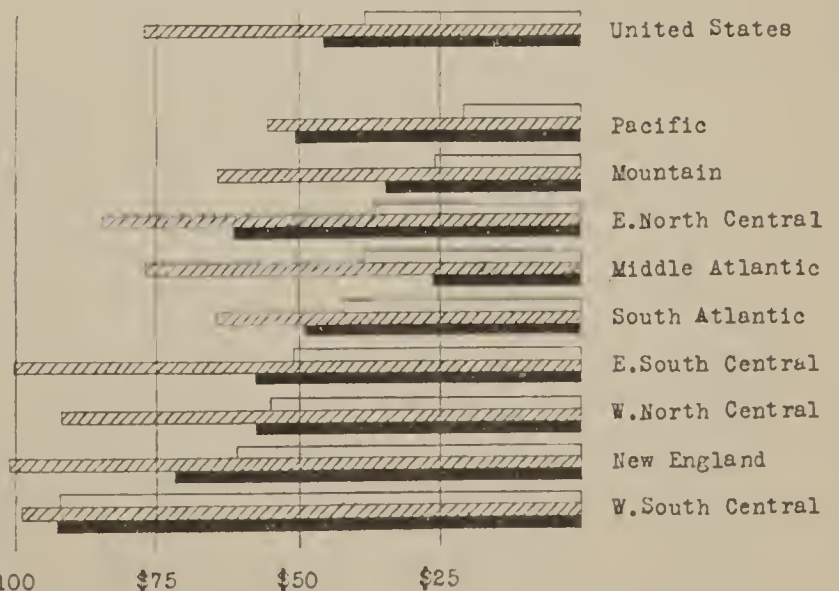
Net Income 1907, and Surplus 1912 and 1902, Per Horse-Power Year of Output  
By States and by Geographic Divisions  
In Order of 1912 Figures



Note: "Expenses" as reported by the Census are not strictly comparable for the years 1902, 1907 and 1912. Interest on funded debt amounting to \$27,991,762 for all stations was omitted from expenses in 1907. Depreciation charges of \$18,843,863 and sinking fund charges of \$1,654,035 or \$20,497,898 for all stations, amounting to 8.7% of the total are included in the expenses of 1912, with no corresponding entries in 1902 and 1907. Except for depreciation and sinking fund charges the diagram gives surplus for 1902 and 1912, and net income for 1907.

Amounts for Maryland, Delaware and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated on the assumption that total amounts are in proportion to total power output.

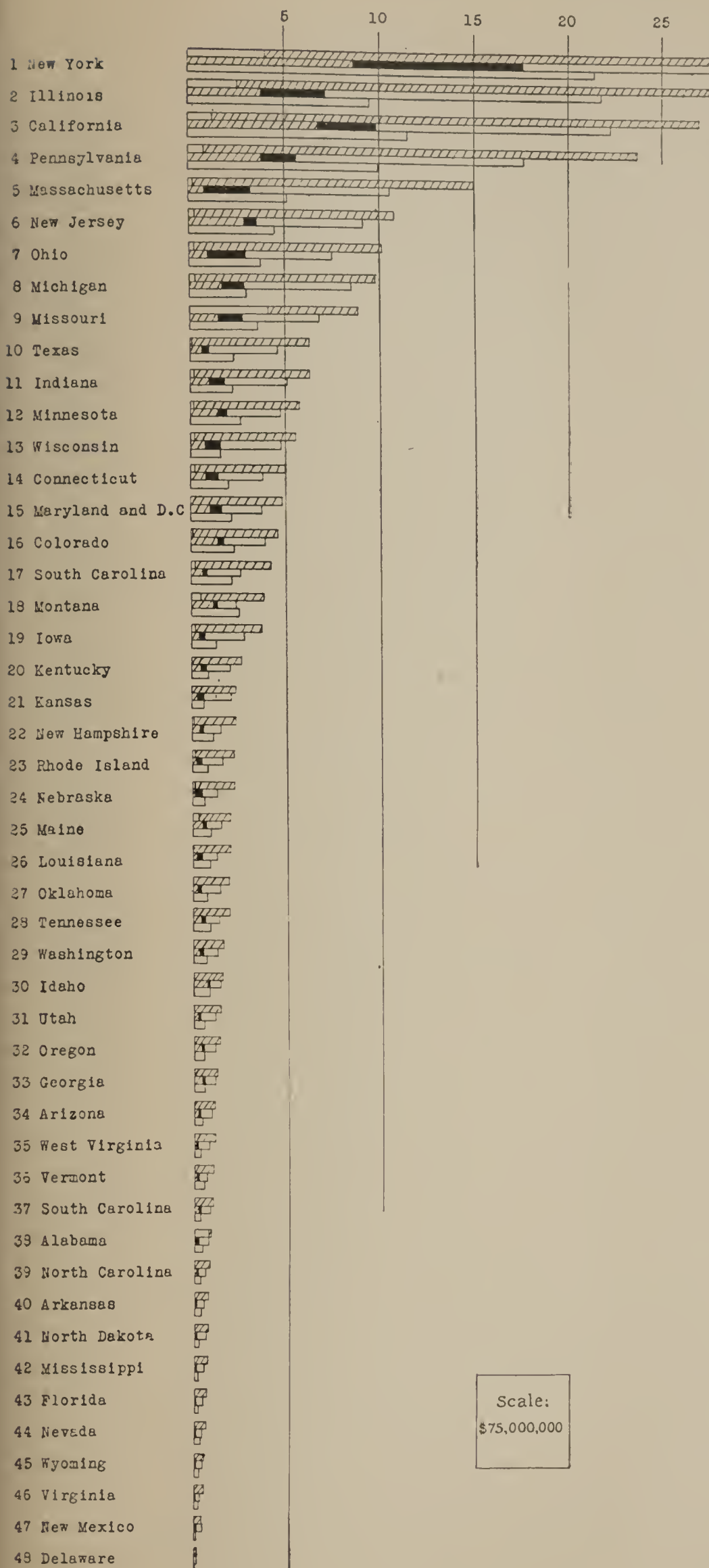
1912 1907 1902







Gross and Net Income, Income from Electric Service and from All Other Sources,  
Total and Operating Expenses, Interest and Sinking Fund Charges, Taxes, Insurance and Depreciation 1912  
By States and by Geographic Divisions  
In Millions of Dollars

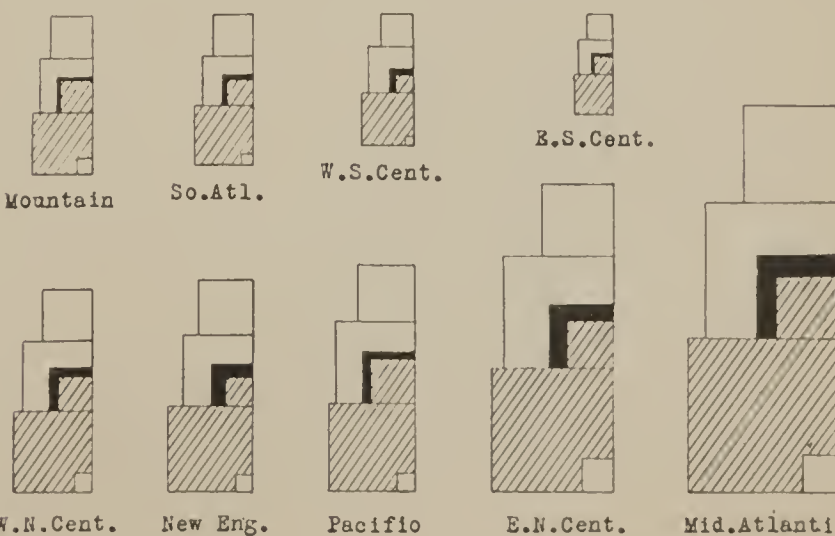
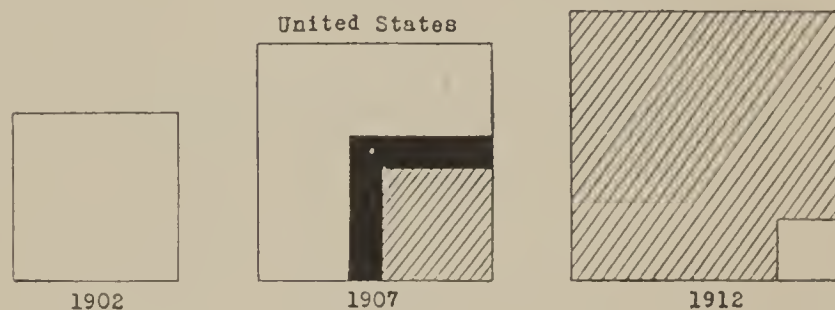


Note: "Gross Income" is made up of "Income from Electric Service", including estimated value of free service, and income from "All Other" sources such as interest and dividends upon investments, etc. "Net Income" equals Gross Income, less operating expenses, taxes, insurance and depreciation. "Total Expense" covers expenditures for all purposes. "Operating Expense" covers expenditures for fuel and other supplies, salaries, wages, rentals, electric current purchased, and payments for injuries and damages. "Taxes Etc." includes taxes, insurance and depreciation charges. "Interest Etc." includes interest on funded and floating debt and charges for sinking fund.

The top line for each State and the bottom square for each Geographic Division represent Gross Income and its subdivision into Income from Electric Service, and All Other Income. The middle line and square represent Total Expense and its subdivision into Operating Expense, Interest, Etc., and Taxes, Etc. The bottom line and top square represent Net Income.

Amounts for Delaware, Maryland and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated by prorating Income and Operating Expense in proportion to power output, and Taxes, Etc. and Interest, Etc. in proportion to primary power.

"All Other" Inc. Operating Exp. Net Income Inc. Elec. Ser. Interest Etc. Taxes Etc.



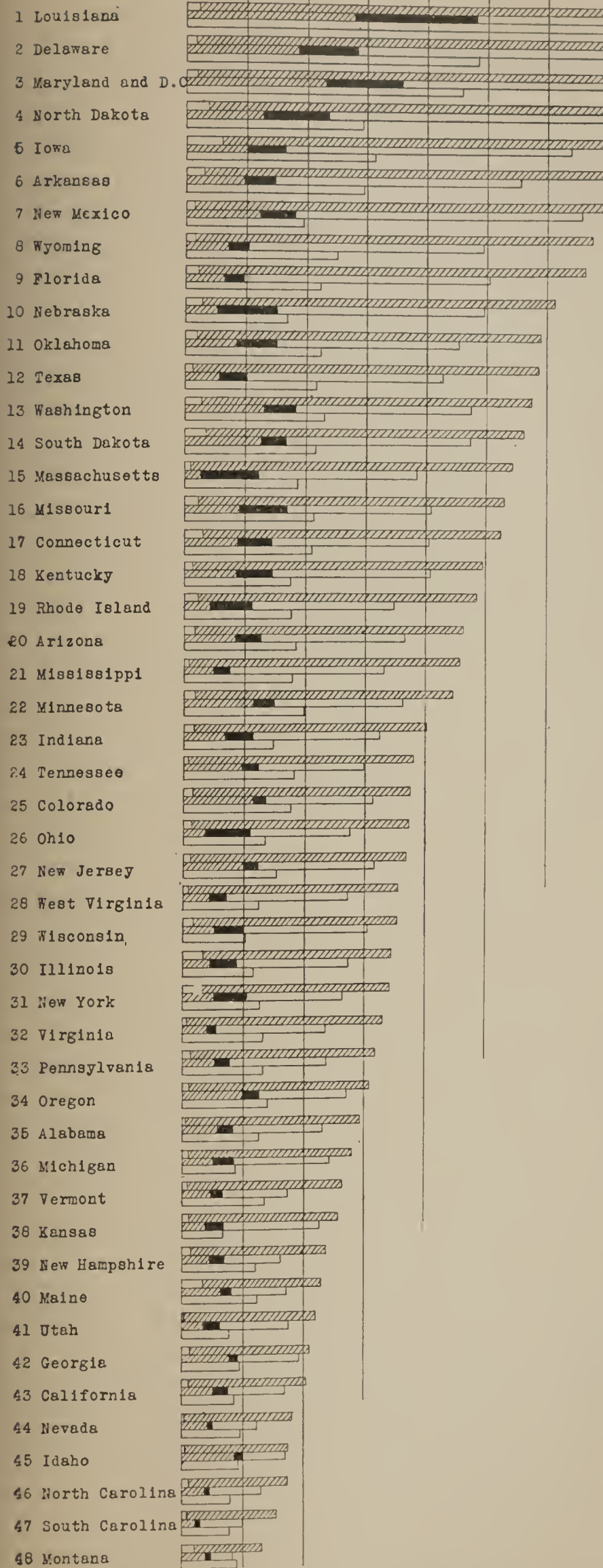
Scale:  
\$75,000,000





Gross and Net Income, Income from Electric Service and from All Other Sources,  
Total and Operating Expenses, Interest and Sinking Fund Charges, Taxes, Insurance and Depreciation 1912  
By States and by Geographic Divisions  
Per Horse-Power Year of Output

\$50 \$100 \$150 \$200 \$250 \$300 \$350 \$400 \$450 \$500 \$550 \$600 \$650 \$700 \$750 \$800 \$850 \$900 \$950

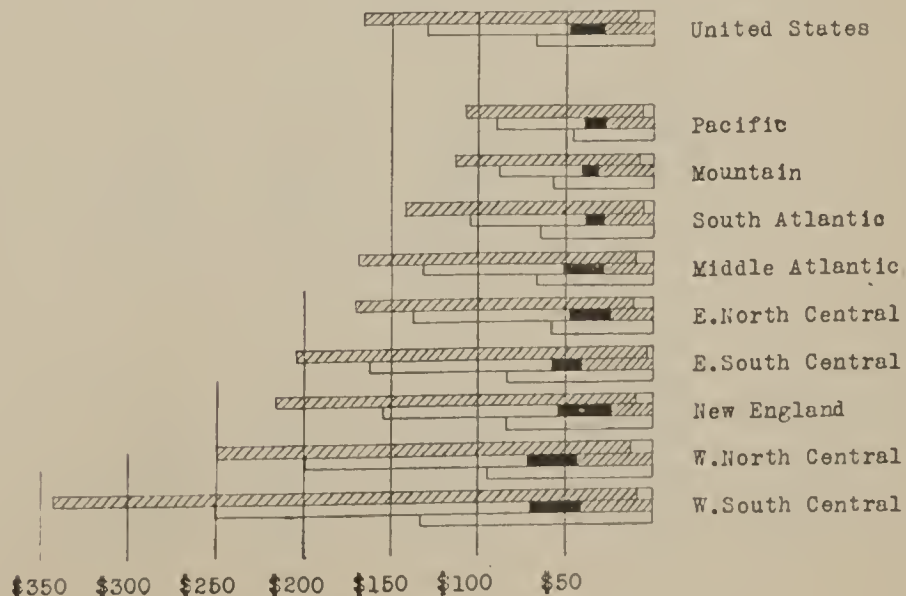


Note: "Gross Income" is made up of "Income from Electric Service", including estimated value of free service, and income from "All Other" sources such as interest and dividends upon investments etc. "Net Income" equals Gross Income, less operating expenses, taxes, insurance and depreciation. "Total Expenses" covers expenditures for all purposes. "Operating Expenses" covers expenditures for fuel and other supplies, salaries, wages, rentals, electric current purchased, and payments for injuries and damages. "Taxes Etc." includes taxes, insurance and depreciation charges. "Interest Etc." includes interest on funded and floating debt and charges for sinking fund.

The top line for each State and Geographic Division represent Gross Income and its subdivision into Income from Electric Service, and All Other Income; the middle line, Total Expense and its subdivision into Operating Expense, Interest, Etc., and Taxes, Etc.; the bottom line, Net Income.

Amounts for Delaware, Maryland and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated by prorating Income and Operating Expense in proportion to power output, and Taxes, Etc. and Interest, Etc. in proportion to primary power.

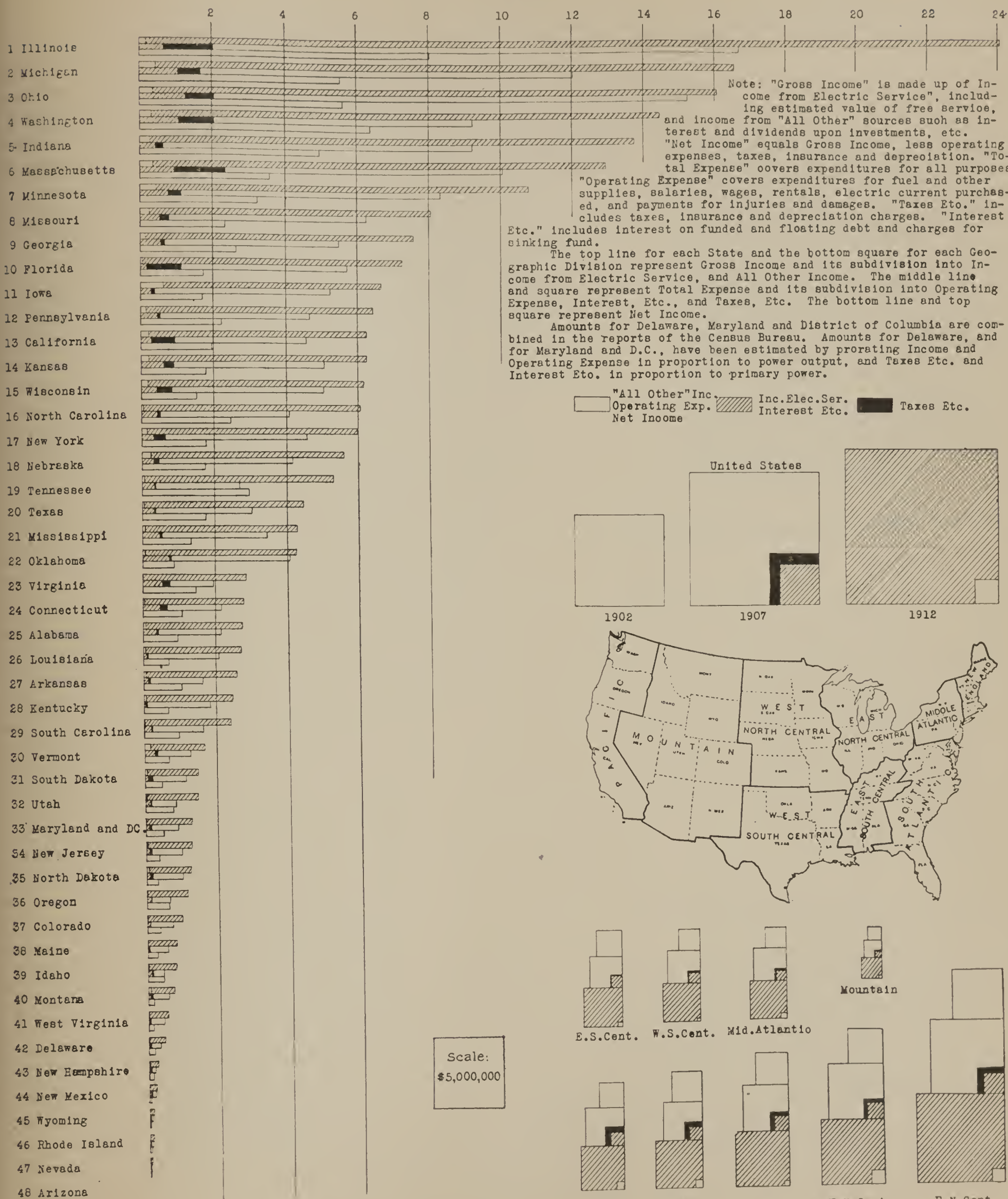
"All Other" Inc. Inc. Elec. Ser. Taxes Etc.  
Operating Exp. Interest Etc.  
Net Income







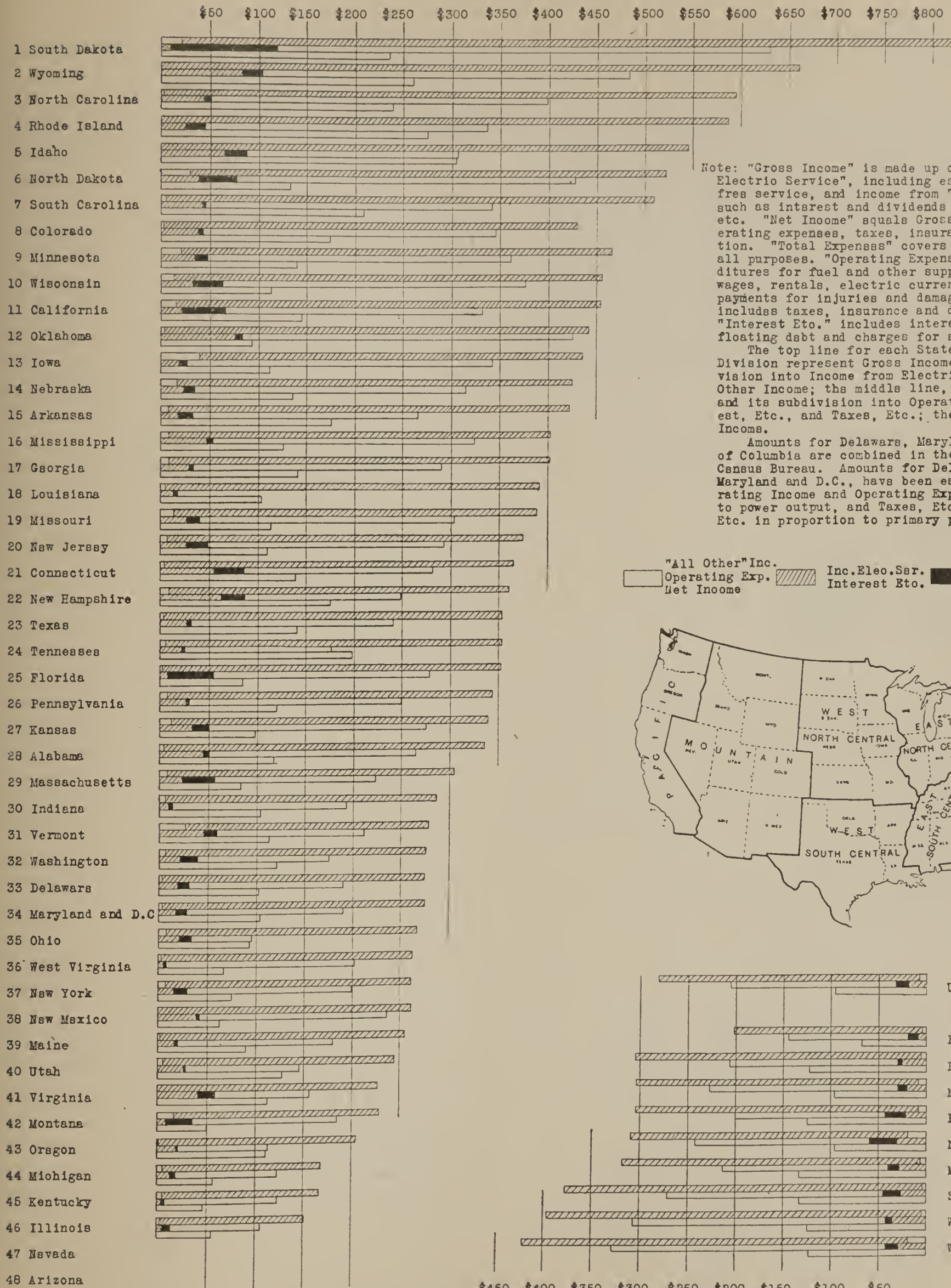
Gross and Net Income, Income from Electric Service and from All Other Sources,  
Total and Operating Expenses, Interest and Sinking Fund Charges, Taxes, Insurance and Depreciation 1912  
By States and by Geographic Divisions  
In Hundreds of Thousands of Dollars







Gross and Net Income, Income from Electric Service and from All Other Sources,  
Total and Operating Expenses, Interest and Sinking Fund Charges, Taxes, Insurance and Depreciation 1912  
By States and by Geographic Divisions  
Per Horse-Power Year of Output

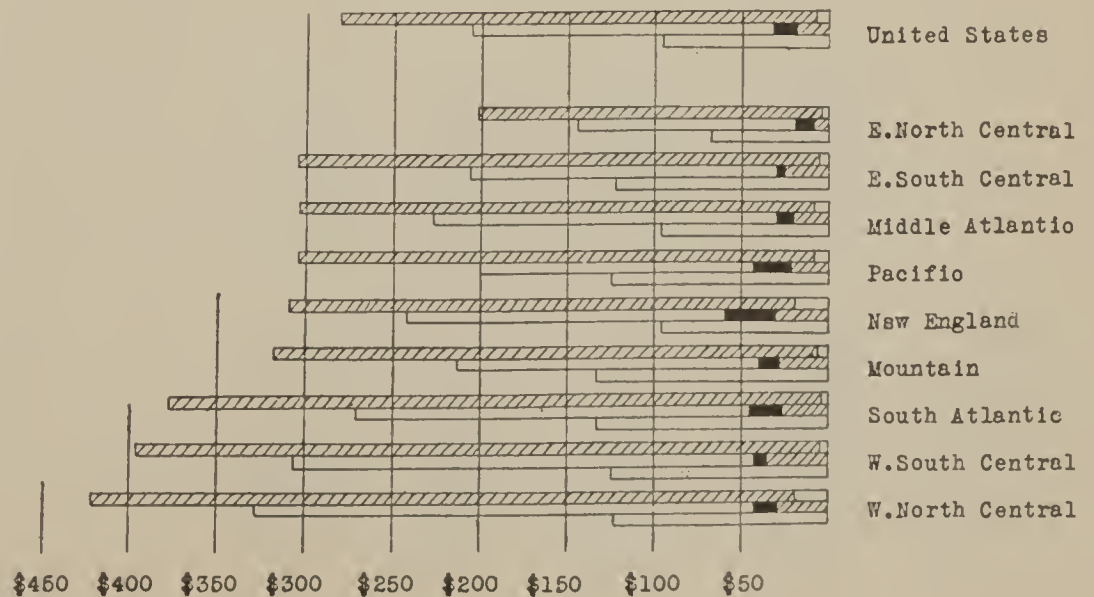


Note: "Gross Income" is made up of "Income from Electric Service", including estimated value of free service, and income from "All Other" sources such as interest and dividends upon investments etc. "Net Income" equals Gross Income, less operating expenses, taxes, insurance and depreciation. "Total Expenses" covers expenditures for all purposes. "Operating Expenses" covers expenditures for fuel and other supplies, salaries, wages, rentals, electric current purchased, and payments for injuries and damages. "Taxes Etc." includes taxes, insurance and depreciation charges. "Interest Etc." includes interest on funded and floating debt and charges for sinking fund.

The top line for each State and Geographic Division represent Gross Income and its subdivision into Income from Electric Service, and All Other Income; the middle line, Total Expense and its subdivision into Operating Expense, Interest, Etc., and Taxes, Etc.; the bottom line, Net Income.

Amounts for Delaware, Maryland and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated by proportioning income and operating expense in proportion to power output, and Taxes, Etc. and Interest, Etc. in proportion to primary power.

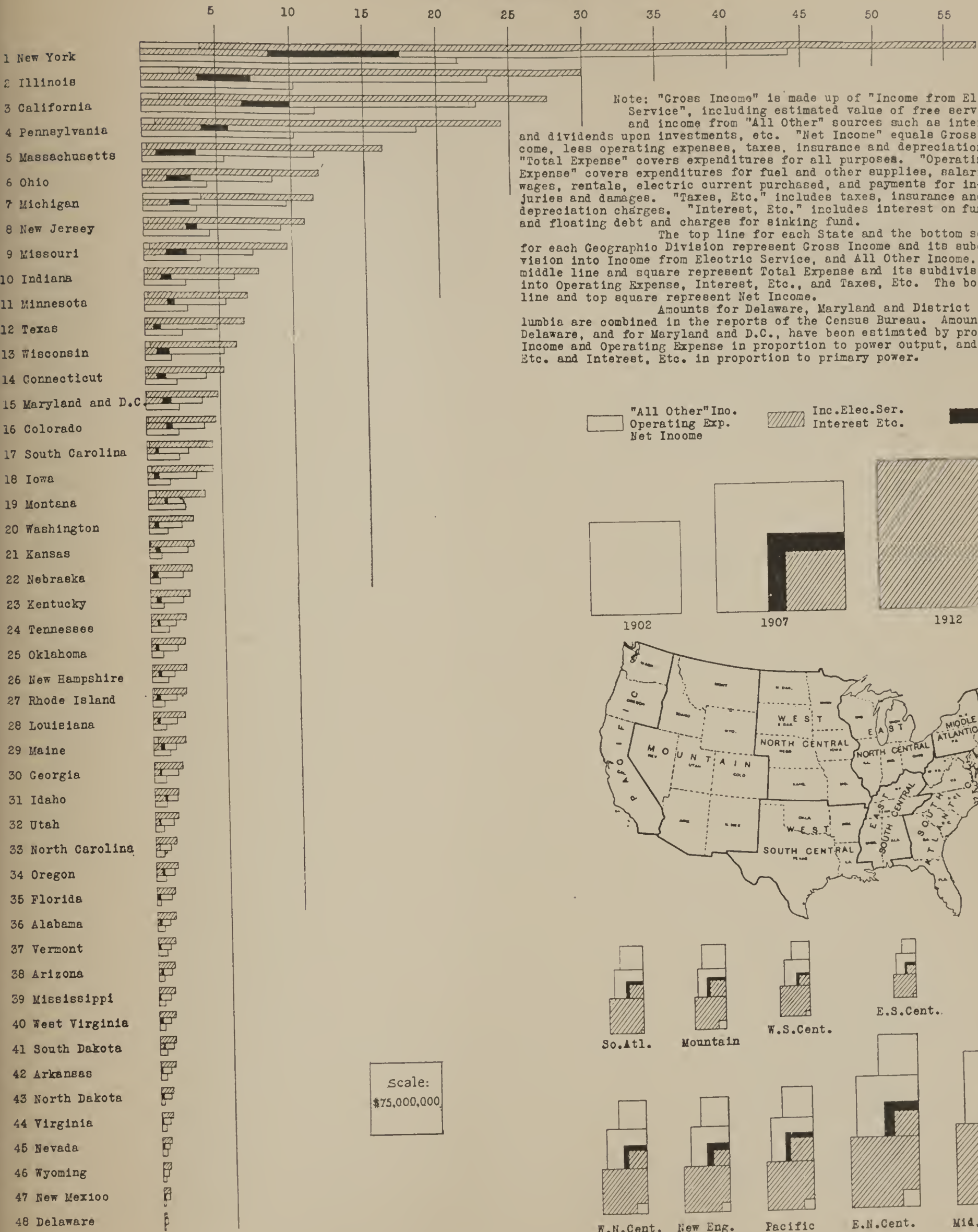
"All Other" Inc. Operating Exp. Net Income Inc. Elec. Ser. Interest Etc. Taxes Etc.







Gross and Net Income, Income from Electric Service and from All Other Sources,  
Total and Operating Expenses, Interest and Sinking Fund Charges, Taxes, Insurance and Depreciation 1912  
By States and by Geographic Divisions  
In Million of Dollars

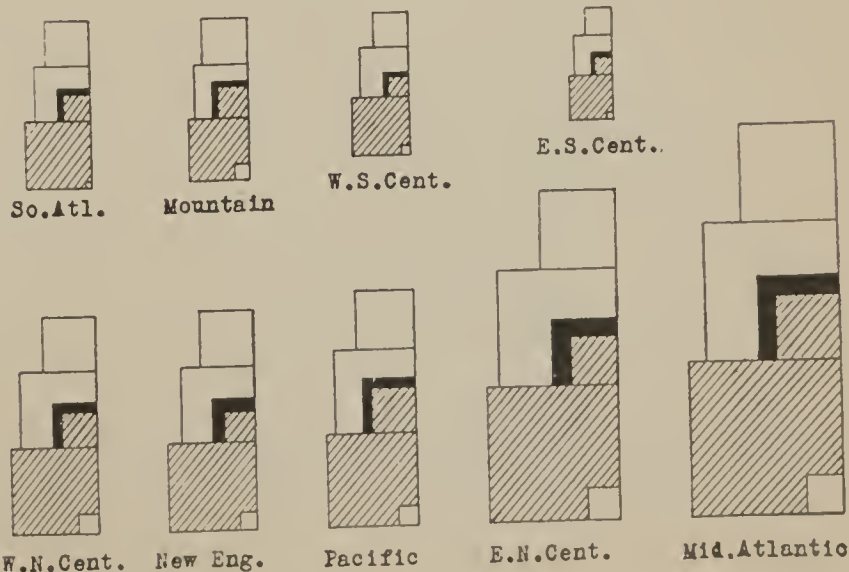
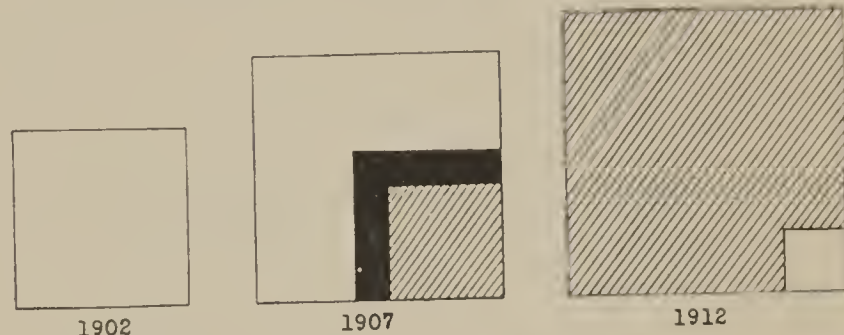


Note: "Gross Income" is made up of "Income from Electric Service", including estimated value of free service, and income from "All Other" sources such as interest and dividends upon investments, etc. "Net Income" equals Gross Income, less operating expenses, taxes, insurance and depreciation. "Total Expense" covers expenditures for all purposes. "Operating Expense" covers expenditures for fuel and other supplies, salaries, wages, rentals, electric current purchased, and payments for injuries and damages. "Taxes, Etc." includes taxes, insurance and depreciation charges. "Interest, Etc." includes interest on funded and floating debt and charges for sinking fund.

The top line for each State and the bottom square for each Geographic Division represent Gross Income and its subdivision into Income from Electric Service, and All Other Income. The middle line and square represent Total Expense and its subdivision into Operating Expense, Interest, Etc., and Taxes, Etc. The bottom line and top square represent Net Income.

Amounts for Delaware, Maryland and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated by prorating Income and Operating Expense in proportion to power output, and Taxes, Etc. and Interest, Etc. in proportion to primary power.

"All Other" Inc. Operating Exp. Net Income Inc. Elec. Ser. Interest Etc. Taxes Etc.

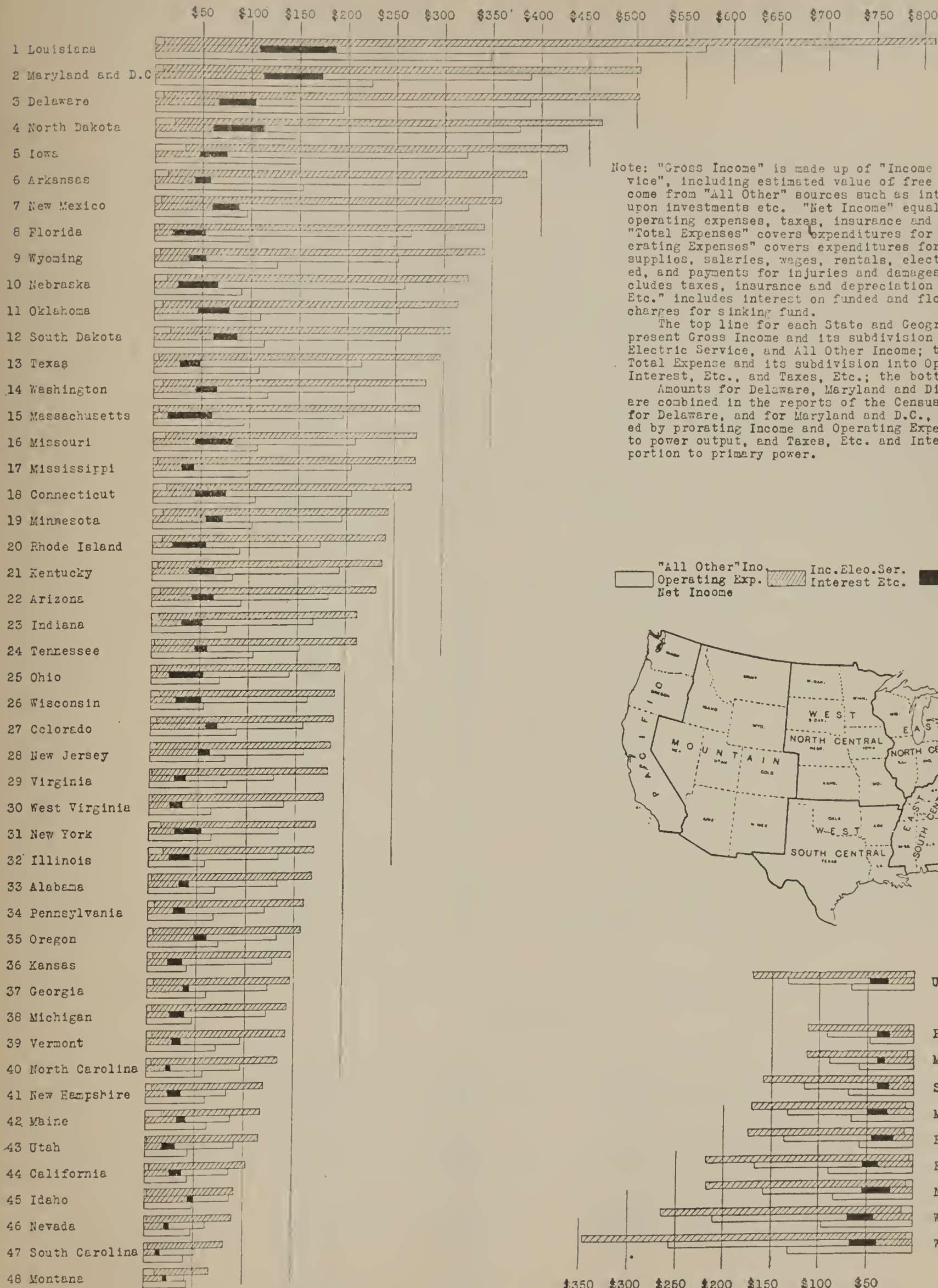


Scale:  
\$75,000,000





Gross and Net Income, Income from Electric Service and from All Other Sources,  
Total and Operating Expenses, Interest and Sinking Fund Charges, Taxes, Insurance and Depreciation 1912  
By States and by Geographic Divisions  
Per Horse-Power Year of Output



Note: "Gross Income" is made up of "Income from Electric Service", including estimated value of free service, and income from "All Other" sources such as interest and dividends upon investments etc. "Net Income" equals Gross Income, less operating expenses, taxes, insurance and depreciation. "Total Expenses" covers expenditures for all purposes. "Operating Expenses" covers expenditures for fuel and other supplies, salaries, wages, rentals, electric current purchased, and payments for injuries and damages. "Taxes Etc." includes taxes, insurance and depreciation charges. "Interest Etc." includes interest on funded and floating debt and charges for sinking fund.

The top line for each State and Geographic Division represent Gross Income and its subdivision into Income from Electric Service, and All Other Income; the middle line, Total Expense and its subdivision into Operating Expense, Interest, Etc., and Taxes, Etc.; the bottom line, Net Income.

Amounts for Delaware, Maryland and District of Columbia are combined in the reports of the Census Bureau. Amounts for Delaware, and for Maryland and D.C., have been estimated by prorating Income and Operating Expense in proportion to power output, and Taxes, Etc. and Interest, Etc. in proportion to primary power.





TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

The data appearing in the following pages were obtained in the first instance from such sources of information as the McGraw Directories, Moody's and Poor's Manuals, to the district engineers of the Forest Service to be checked by field examinations. Data for the remaining States were submitted directly to the officials of the operating accuracy of the data for the remaining stations depends upon the correctness of the published sources of information. Whenever information from the various sources secured. These sources are indicated by key initials on the detailed sheets, as follows: "C" data furnished by company officials; "F" field investigations by Directory, October, 1914, and April, 1915, and McGraw Electric Railway Directory, August, 1914; "O," miscellaneous office records consisting chiefly of reports of Office Records; "SDC," State Drainage Commission Report. The detailed sheets also indicate by key initials the character of the companies owning or controlling the several stations as follows: "D," distributing company; "G,"

ALABAMA.

A—PUBLIC UTILITY PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	Alabama City, Gadsden & Attalla Ry. Co.....	GD.....	Gadsden.....	Gadsden.....	Gadsden.....	
2	Alabama Fuel & Iron Co.....			Margaret.....		
3	Alabama Polytechnic Institute.....	GD.....	Auburn and college.....	Auburn.....	Auburn.....	
	Alabama Traction, Light & Power Co.....	IL.....				
4	Alabama Power Co.....	GD.....		Gadsden.....	Gadsden.....	
5	Do.....	GTD.....	Northern Alabama.....	Jackson Shoals.....	Jackson Shoals.....	Choccolocca Creek.....
6	Do.....	GTD.....		Lock No. 12.....	Lock No. 12.....	Coosa River.....
7	Anniston Electric & Gas Co.....	TD.....	Anniston, Oxford, and Hobson City.....	Anniston.....		
8	Decatur Light, Power & Fuel Co.....		New Decatur and Decatur.....	New Decatur.....	New Decatur.....	
9	Etowah Light & Power Co.....	D.....	Attalla.....	Attalla.....		
10	Huntsville Railway, Light & Power Co.....	GTD.....	Huntsville.....	Huntsville.....	Huntsville.....	
11	Aliceville Electric Co.....	GD.....	Aliceville.....	Aliceville.....	Aliceville.....	
	American Pipe & Construction Co.....	IL.....				
12	Selma Lighting Co.....	GD.....	Selma.....	Selma.....	Selma.....	
13	Andalusia Light & Water Co.....	GD.....	Andalusia.....	Andalusia.....	Andalusia.....	
14	Antanga Oil & Fertilizer Co.....	GD.....	Prattville and vicinity.....	Prattville.....	Prattville.....	
	Calera Electric Light Co.....	GD.....				
15	(Lessor, Alabama Cooperage Co.).....	L.....	Calera.....	Calera.....	Calera.....	
16	Carney, W. M., Mill Co.....	GD.....	Atmore and vicinity.....	Atmore.....	Atmore.....	
17	Centerville Light & Power Co.....	GD.....	Centerville and Brent.....	Centerville.....		Shoultry Creek.....
18	Citronelle Public Service Corporation.....	D.....	Citronelle.....	Citronelle.....	Citronelle.....	
19	Columbiana Ice, Light & Power Co.....	GD.....	Columbiana.....	Columbiana.....	Columbiana.....	
	Columbia Power Co.....	GD.....				
20	(Lessor, City of Columbia).....	L.....	Columbia.....	Columbia.....		
	Crawford Mercantile Co.:.....					
21	Jasper Water, Light & Power Co.....	GD.....	Jasper.....	Jasper.....	Jasper.....	
22	Demopolis Electric Light & Power Co.....	GD.....	Demopolis and Knoxwood.....	Demopolis.....	Demopolis.....	
	Doherty Operating Co.....	M.....				
23	Montgomery Light & Water Power Co.....	GTD.....	Montgomery.....	Montgomery.....	Montgomery.....	Tallapoosa River.....
24	Eutaw Ice, Water & Power Co.....	GD.....	Eutaw.....	Eutaw.....	Eutaw.....	
25	Greensboro Water & Light Co.....	GD.....	Greensboro.....	Greensboro.....	Greensboro.....	
26	Heflin Electric Co.....	GD.....	Heflin.....	Heflin.....	Heflin.....	
27	Henderson Light & Power Co.....	GD.....	Greenville.....	Greenville.....	Greenville.....	
28	Jackson Electric Co.....	GD.....	Jackson.....	Jackson.....	Jackson.....	
29	McClung, J. M., & Co.....	GD.....	Floral.....	Floral.....	Floral.....	
30	Marion Electric Co.....	GD.....	Marion.....	Marion.....	Marion.....	
31	Montgomery Light & Traction Co.....	GTD.....	Montgomery and vicinity.....	Montgomery.....	Montgomery.....	
32	Peoples Electric & Ice Co.....	GD.....	Montgomery.....	do.....	do.....	
33	Sheffield Co. (The).....	GTD.....	Sheffield, Florence, and Tuscumbia.....	Sheffield.....	Sheffield.....	
34	Smith, B. M., Electric Co.....	GD.....	Lineville.....	Lineville.....	Lineville.....	
35	Smith, H. A., Light & Power Works.....	GD.....	Gurley.....	Gurley.....	Gurley.....	
	Byllesby, H. M., & Co. <sup>a</sup> .....	M.....				
36	Mobile Electric Co.....	GD.....	Mobile and vicinity.....	Mobile.....	Mobile.....	
37	Thomasville Manufacturing, Electric Light & Power Co.....	GD.....	Thomasville.....	Thomasville.....	Thomasville.....	
38	Tuscaloosa Ice & Light Co.....	GD.....	Tuscaloosa.....	Tuscaloosa.....	Tuscaloosa.....	
	United Gas & Electric Corporation of Connecticut.....	IL.....				
39	Birmingham Railway, Light & Power Co.....	GTD.....	Birmingham and vicinity.....	Birmingham.....	Birmingham.....	
40	Wade Electric Light & Power Co.....	GD.....	Clanton.....	Clanton.....	Clanton.....	
41	West Point Manufacturing Co.....	GD.....	West Point, Ga., and.....	Langdale.....	Langdale.....	
42	Do.....	GD.....	East Central, Alabama.....	do.....	do.....	Chattahoochee River.....
43	White Water Lumber Co.....	D.....	Autaugaville.....	Autaugaville.....	Autaugaville.....	

<sup>a</sup> H. M. Byllesby & Co., not placed in alphabetical order.

B—MUNICIPAL PLANTS.

44		GD.....	Abbeville.....	Abbeville.....	Abbeville.....	
45		GD.....	Alexander City.....	Alexander City.....	Alexander City.....	
46		GD.....	Athens.....	Athens.....	Athens.....	
47		GD.....	Birmingham.....	Birmingham.....	Birmingham.....	
48		GD.....	Brewton.....	Brewton.....	Brewton.....	
49		GD.....	Brundidge.....	Brundidge.....	Brundidge.....	
50		GD.....	Carbon Hill.....	Carbon Hill.....	Carbon Hill.....	
51		GD.....	Clayton.....	Clayton.....	Clayton.....	
52		GD.....	Cullman.....	Cullman.....	Cullman.....	
53		GD.....	Dadeville.....	Dadeville.....		
54		GD.....	Dothan.....	Dothan.....	Dothan.....	
55		GD.....	Enterprise.....	Enterprise.....	Enterprise.....	
56		GD.....	Eufaula.....	Eufaula.....	Eufaula.....	
57		GD.....	Evergreen.....	Evergreen.....	Evergreen.....	
58		GD.....	Good Water.....	Good Water.....		
59		GD.....	Hartford.....	Hartford.....	Hartford.....	
60		GD.....	Headland.....	Headland.....	Headland.....	
61		GD.....	Lafayette.....	Lafayette.....	Lafayette.....	
62		GD.....	Luverne.....	Luverne.....	Luverne.....	
63		GD.....	Opelika.....	Opelika.....	Opelika.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915.

reports of State public utility commissions, and engineering periodicals. The information so secured was tabulated by stations and submitted, for the Western States, companies for verification or correction. At the date of submitting this report, replies have been received from considerably more than one-half of the stations listed. The differs, that information which appears the most reliable has been taken, but reference has been made in the detailed sheets to all the sources from which data have been Forest officers; "M," Moody's Manual of Railroad and Corporation Securities, 1914 and 1915, and Poor's Manual of Public Utilities, 1914; "Mc," McGraw Electrical public utility commissions and engineering periodicals; "P," Reports of State public utility and railroad commissions; "SE," State Engineer's Report; "L," Land generating company; "H," holding company; "M," managing company; "T," transmission company.

## ALABAMA.

## A—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-month.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
1			800	1,500		1,000	\$0.16 - \$0.10	\$0.075 - \$0.025		Mc. C.
2										M.
3	Private.....		300	300		210	.15 - .07	.08 - .05		Mc. C.
4	Do.....		3,600	16,670		12,500	.10	.03 - .004		Mc. M. O. C.
5	Do.....	2,500				1,500	.10			Mc. M. O. C.
6	Do.....	70,000				54,000	.10			M. O. C.
7										Mc. M.
8	Private.....		625	700		600	.14	.07 - .02		Mc. M. C.
9										Mc.
10			1,056	1,550		1,325				Mc. M.
11	Private.....		50	80		60	.15	.10 - .03		Mc. C.
12			750	1,320		1,800				Mc. M.
13			300	240		140				Mc. M.
14	Private.....		500	300		250	.12 - .06	.06 - .04		Mc. C.
15				25		15	.12			C.
16	Private.....		300	400		325	.125	.04		C.
17	Do.....	90	60	50		37½	.15	.10		Mc. C.
18			120	150		105				Mc.
19	Private.....		100	60		36	.135	.10		Mc. C.
20		247				65				Mc.
21										
22	Private.....		250	375		225	.12 - .09	.07 - .03		Mc. M. C.
			225	280		225	.15			Mc.
23		5,000	2,344	3,420		7,235				Mc. M. C.
24	Private.....		160	125		75	.18 - .04	.15 - .02		Mc. C.
25	Do.....		125	155		160				Mc. C.
26			35	35		15				Mc.
27			300	250		175	.125	.035		Mc. M. C.
28			200	125		75	.15	.10 - .05		C.
29			140	67		62½				Mc.
30			125	125		100				Mc.
31			3,200	6,670		6,500				Mc. M.
32						210				Mc.
33	Private.....		1,200	3,432		1,825	.12 - .06	.03 - .0225		Mc. C.
34				25					Buys steam.....	Mc.
35	Private.....		100	90		60				Mc. C.
36	Do.....		3,450	9,330		7,355	.07 - .045	.06 - .0125		Mc. M. C.
37	Do.....		140	80		50	.18 - .162	.18 - .162		Mc. C.
38			800	1,300		1,300	.10	.05		Mc. C.
39	Private.....		17,200	16,300		17,400	.10 - .05		Alabama Power Co.....	Mc. M. C.
40			130	135		103				Mc.
41	Private.....		2,140	4,200		3,150	.0875	.0875		C.
42	Do.....	3,950				2,640	.0875	.0875		O. M. C.
43	Do.....									C.
Total, A.....		81,784	35,587	68,864		122,909				

## B—MUNICIPAL PLANTS.

44	Private.....		200	100		75				Mc. C.
45			200	150		35				Mc.
46			400	600		500				Mc.
47	Private.....		700	450		350	\$0.10 - \$0.06	\$0.07		Mc. C.
48	Do.....		360	250		190	.125 - .10	\$0.09 - .0525		Mc. C.
49			100	85		60				Mc.
50	Private.....		200	155		145	.15 - .10			Mc. C.
51			160	125		75				Mc.
52			300	425		290				Mc.
53		312				173				Mc.
54			500	450		300				Mc.
55			180	80		65				Mc.
56			400	300		225				Mc.
57	Private.....		200	100		60	.14 - .09			Mc. C.
58		120				80				Mc.
59	Private.....		80	120		80				Mc. C.
60			250	55		65				Mc.
61			100	150		100				Mc.
62			100	90		62				Mc.
63	Private.....		300	356		335	.12 - .08	.07 - .03		Mc. C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## ALABAMA—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
64		GD.	Opp.	Opp.	Opp.	
65		GD.	Ozark.	Ozark.	Ozark.	
66		GD.	Piedmont.	Piedmont.	Piedmont.	
67		GD.	Roanoke.	Roanoke.	Roanoke.	
68		GD.	Russellville.	Russellville.	Russellville.	
69		GD.	Sampson.	Sampson.	Sampson.	
70		GD.	Slocomb.	Slocomb.	Slocomb.	
71		GD.	Sylacauga.	Sylacauga.	Sylacauga.	
72		GD.	Troy.	Troy.	Troy.	
73		GD.	Tuskegee.	Tuskegee.	Tuskegee.	
74		GD.	Tuskegee Institute.	Tuskegee Institute.	Tuskegee Institute.	
75		GD.	Union Springs.	Union Springs.	Union Springs.	
76		GD.	Uniontown.	Uniontown.	Uniontown.	
77		GD.	Wetumpka.	Wetumpka.	Wetumpka.	

## C.—ALL OTHER PLANTS.

78	Alabama Marble Co. of New York.	H.	Manufacturing and quarrying.	Gantts Quarry.	S. 2, T. 22 S., R. 3 E.	
	Alabama Marble Co. of Alabama.	G.				
79	Gulf States Steel Co.	H.	Cotton mills.	Birmingham.		
	Southern Iron & Steel Co.	G.				
	International Cotton Mills.	H.				
80	Tallassee Falls Manufacturing Co.			Tallassee.		Tallapoosa River.
81	Pell City Manufacturing Co.	G.	Lighting mills.	Pell City.	Pell City.	

## ARKANSAS.

## A.—PUBLIC UTILITY PLANTS.

1	Arkansas Light & Power Co.	GD.	Camden.	Camden.	Camden.	
2	Do.	GD.	El Dorado.	El Dorado.	El Dorado.	
3	Do.	GD.	Magnolia.	Magnolia.	Magnolia.	
4	Do.	GD.	Malvern and Arkadelphia.	Malvern.	Malvern.	
5	Do.	GD.	Marianna.	Marianna.	Marianna.	
6	Do.	GD.	Newport.	Newport.	Newport.	
7	Do.	GD.	Paragould.	Paragould.	Paragould.	
8	Arkansas Lumber Co.	G.	Warren.	Warren.	Warren.	
9	Arkansas Public Service Co.	GD.	Augusta.	Augusta.	Augusta.	
10	Atkins Electric Light & Power Co.	GD.	Atkins.	Atkins.	Atkins.	
11	Benton Electric Light, Power & Ice Co.	GD.	Benton.	Benton.	Benton.	
12	Berryville Milling Co.	GD.	Berryville.	Berryville.	Berryville.	
13	Bodeaw Lumber Co.	GD.	Stamps.	Stamps.	Stamps.	
14	Booser, Geo., Electric Light Plant.	D.	Corning.	Corning.	Corning.	
15	Brinkley Water & Light Co.	GD.	Brinkley.	Brinkley.	Brinkley.	
16	Brockman, Geo. F., Light Plant.	GD.	Ozark, Altus, and Denning.	Ozark.	Ozark.	
17	Byllesby, H. M. & Co.	M.				
	Fort Smith Light & Traction Co.	GTD.	Fort Smith and Van Buren.	Fort Smith.	Fort Smith.	
18	Citizens Ice & Public Utilities Co.	GD.	Junction City.	Junction City.	Junction City.	
19	Clarendon Electric Light & Ice Co.	GD.	Clarendon.	Clarendon.	Clarendon.	
20	Coal & Gas Belt Electric Co.	GD.	Huntington and vicinity.	Huntington.	Huntington.	
21	Cotton Plant Light & Power Co.	GD.	Cotton Plant.	Cotton Plant.	Cotton Plant.	
22	Crittendon Power Co.	GD.	Earle.	Earle.	Earle.	
23	De Queen Ice & Light Co.	GD.	De Queen.	De Queen.	De Queen.	
24	Des Arc Oil Mill.	GD.	Des Arc.	Des Arc.	Des Arc.	
25	Devall Bluff Electric Light Co.	GD.	Devall Bluff.	Devall Bluff.	Devall Bluff.	
26	Eureka Springs Electric Co.	GD.	Eureka Springs.	Eureka Springs.	Eureka Springs.	
27	Fayetteville Gas & Electric Co.	GD.	Fayetteville and vicinity.	Fayetteville.	Fayetteville.	
28	Federal Light & Traction Co.	H.				
29	Citizens Electric Co.	GD.	Hot Springs.	Hot Springs.	Hot Springs.	
30	Fordyce Light & Water Co.	GD.	Fordyce and Kingsland.	Fordyce.	Fordyce.	
31	Gertrude Mining Co.	GD.	Rush.	Rush.	Rush.	
32	Greenway & Harvey.	GD.	Booneville and Magazine.	Booneville.	Booneville.	
	Greenwood Light & Power Co.		Greenwood.	Greenwood.	Greenwood.	
33	Harrisburg Electric Light & Power Co.	GD.	Harrisburg.	Harrisburg.	Harrisburg.	
34	Harrison Gas & Electric Co.	GD.	Harrison.	Harrison.	Harrison.	
35	Hazen Light & Power Co.	GD.	Hazen and Tollville.	Hazen.	Hazen.	
36	Heber Springs Light Co.	GD.	Heber Springs.	Heber Springs.	Heber Springs.	
	Johnson, William.	GD.				
37	(Lessor, Danville Electric Co.)	L.	Danville.	Danville.	Danville.	
38	Lewisville Light & Water Co.	D.	Lewisville.	Lewisville.	Lewisville.	
39	Lonoke Light & Water Co.	GD.	Lonoke.	Lonoke.	Lonoke.	
40	Luxora Water & Light Co.	GD.	Luxora.	Luxora.	Luxora.	
41	Mammoth Springs Electric Light & Power Co.	GD.	Mammoth Springs and vicinity.	Mammoth Springs.	Mammoth Springs.	
42	Mena Electric Light & Power Co.	GD.	Mena.	Mena.	Mena.	
43	Merchants Lighting Co.	GD.	Little Rock and vicinity.	Little Rock.	Little Rock.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## ALABAMA—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
64			80	90		50	\$0.10			Mc.
65			300	300		250				Mc. C.
66									Alabama Power Co.	Mc. C.
67			300	190		125	\$0.12 - \$0.08	\$0.075 - \$0.03		Mc. C.
68			200	87		50				Mc.
69			150	100		(60)				Mc.
70			125	100		60				
71		250	220	120		330				Mc.
72			300	350		240	.075			Mc.
73			175	165		105				Mc.
74			805	574		400	.05			C.
75	Private		250	350		280	.135 - .08	.135 - .05		Mc. C.
76			175	165	15	130				Mc.
77	Private		250	150		85	.15	.125		Mc. C.
Total, B.		682	8,060	6,832	15	5,430				

## C.—ALL OTHER PLANTS.

78	Private		1,200	670		625				M. Mc.
79										M.
80			5,800							O. M.
81	Private		1,250	1,250		75				C.
Total, C.			8,250	1,920		700				
Grand total		82,466	51,897	77,616	15	129,039				

## ARKANSAS.

## A.—PUBLIC UTILITY PLANTS.

1	Private		400	650		425		\$0.08 - \$0.03		Mc. C.
2	do.		350	450		300		.08 - .03		Mc. C.
3			160	235		125		.08 - .03		Mc. C.
4				1,000		625	\$0.15	.08 - .03		Mc. C.
5	Private		160	200		150	\$0.15 - .055	.08 - .03		C.
6	Do		250	335		250	.125 - .09	.09 - .03		Mc. C.
7	Do		650	750		375	.15 - .06	.08 - .03		Mc. C.
8	Do		150	200		150				Mc. C.
9			250	120		100				Mc.
10	Private		160	125		37½	.15 - .10			Mc. C.
11			175	160		125				Mc.
12	Private		175	180		50	.10 - .07			Mc. C.
13			300	150		95				Mc. C.
14										Mc.
15	Private		350	350		200				Mc. C.
16			80	160		160				Mc.
17			2,540	5,425		3,450	.15 - .025	.05 - .0199		M. Mc. C.
18			220	100		(60)				Mc.
19			235	125		60				Mc. C.
20			250	330		250				Mc.
21			150	100		75				Mc.
22			100	150		112½				M.
23			350	275		85				Mc. C.
24			160	70		82½	.15			Mc. C.
25			100	60		(35)				Mc.
26	Private		450	580		467	.18 - .08	.10 - .06		Mc. C.
27			750	1,020		600	.10 - .06	.08 - .04		M. C.
28	Private		1,264	3,000		2,250	.12 - .075	.09 - .035		M. Mc. C.
29	Do		180	225		150		.08 - .03		Mc. C.
30			100	85		35				C.
31			200	410		325	.15 - .10	.10 - .03		Mc. C.
32										S.
33			100	65	25	45	.125			Mc. C.
34			400	150	200	175				M. Mc.
35			300	250		160				Mc.
36	Private		125	120		90	.15	.10 - .05		Mc. C.
37	Do		80	75		50				Mc. C.
38										Mc.
39			150	250		165				Mc.
40			80	50		40	.15	.15		Mc. C.
41		1,600				600				Mc.
42	Private		160	130		115	.15			Mc. C.
43			2,400	3,330		2,500				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
ARKANSAS—Continued.

A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
44	Missouri & Southeastern Utilities Co.....	GD.....	Blytheville.....	Blytheville.....	Blytheville.....	
45	Morrilton Light & Power Co.....	GD.....	Morrilton.....	Morrilton.....	Morrilton.....	
46	Nashville Ice, Coal & Light Co.....	GD.....	Nashville.....	Nashville.....	Nashville.....	
47	Pine Bluff Co.....	GD.....	Pine Bluff.....	Pine Bluff.....	Pine Bluff.....	
48	Pocahontas Light, Power & Ice Co.....	D.....	Pocahontas.....	Pocahontas.....	Pocahontas.....	
49	Rector Light & Water Co.....	GD.....	Rector.....	Rector.....	Rector.....	
50	Rogers Light & Water Co.....	GD.....	Rogers.....	Rogers.....	Rogers.....	
	Scotfield Engineering Co., of Philadelphia.....					
51	Helena Gas & Electric Co.....	GD.....	Helena.....	Helena.....	Helena.....	
	Seven Cities Co.....	H.....				
52	Russellville Water & Light Co.....	GD.....	Russellville and Dardanelle.....	Russellville.....		
53	Southwestern Gas & Electric Co.....	GD.....	Texarkana, Ark. and Tex.....	Texarkana.....	Texarkana.....	
54	Springdale Light & Power Co.....	GD.....	Springdale.....	Springdale.....	Springdale.....	
55	Stuttgart Water & Electric Light Co.....	GD.....	Stuttgart.....	Stuttgart.....	Stuttgart.....	
	United Gas & Electric Corporation of Connecticut.....					
56	Little Rock Railway & Electric Co.....	GTD.....	Little Rock and vicinity.....	Little Rock.....	Little Rock.....	
57	Walnut Ridge & Hoxie Light, Power & Transit Co.....	GTD.....	Walnut Ridge and Hoxie.....	Walnut Ridge.....	Walnut Ridge.....	
58	Warren Light & Water Co.....	D.....	Warren.....	Warren.....	Warren.....	
59	Willmer, F. E., & G. R. Sanford Light Plant.....	GD.....	Gentry.....	Gentry.....	Gentry.....	

B.—MUNICIPAL PLANTS.

60	Arkansas State Penitentiary.....	GD.....	Batesville.....	Batesville.....	Batesville.....	
61		GD.....	Bentonville.....	Bentonville.....	Bentonville.....	
62		GD.....	Conway.....	Conway.....	Conway.....	
63		GD.....	Dermott.....	Dermott.....	Dermott.....	
64		GD.....	Forest City.....	Forest City.....	Forest City.....	
65		D.....	Gravette.....	Gravette.....	Gravette.....	
66		GD.....	Hamburg.....	Hamburg.....	Hamburg.....	
67		GD.....	Hope.....	Hope.....	Hope.....	
68		GD.....	Jonesboro.....	Jonesboro.....	Jonesboro.....	
69		GD.....	Little Rock Penitentiary.....	Little Rock.....	Little Rock.....	
70		GD.....	Little Rock.....	do.....	do.....	
71		GD.....	Monticello.....	Monticello.....	Monticello.....	
72		GD.....	Osceola.....	Osceola.....	Osceola.....	
73		GD.....	Prescott.....	Prescott.....	Prescott.....	
74		GD.....	Searcy.....	Searcy.....	Searcy.....	
75		GD.....	Siloam Springs.....	Siloam Springs.....	Siloam Springs.....	
76		GD.....	Wynne.....	Wynne.....	Wynne.....	

C.—ALL OTHER PLANTS.

77	Wilson, Lee & Co.....	G.....	Cotton mills, etc.....	Wilson.....	Wilson.....	
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ARIZONA.

A.—PUBLIC UTILITY PLANTS.

1	Arizona Copper Co.....	GD.....	Clifton and Morenci.....	Clifton.....	Clifton.....	
2	Arizona Power Co.....	HGTD.....	Prescott and Jerome.....	Fossil Creek.....	Childs.....	Fossil Creek.....
3	Prescott Gas & Electric Co.....	GTD.....	Prescott.....	Prescott.....	Prescott.....	
4	Bisbee Improvement Co.....	GD.....	Bisbee and vicinity.....	Bisbee.....	Bisbee.....	
5	Calumet & Arizona Mining Co.....	GD.....	Bisbee and Warren.....	Warren.....	do.....	
6	Copper Queen Consolidated Mining Co.....	GD.....	Bisbee.....	Bisbee.....	do.....	
7	Do.....	GD.....	Douglas.....	Douglas.....	Douglas.....	
8	Desert Power & Water Co.....	GD.....	Kingman, Gold Road, and Oatman.....	Kingman.....	Kingman.....	
9	Detroit Copper Mining Co.....	GD.....	Morenci.....	Morenci.....	Morenci.....	
10	Douglas Traction & Light Co.....	GD.....	Douglas.....	Douglas.....	Douglas.....	
	Federal Light & Traction Co.....	H.....				
11	Tucson Gas, Electric Light & Power Co.....	GD.....	Tucson.....	Tucson.....	Tucson.....	
12	Flagstaff Electric Light Co.....	GTD.....	Flagstaff and Milton.....	Flagstaff.....	Flagstaff.....	
13	Globe Light & Power Co.....	GD.....	Globe.....	Globe.....	Globe.....	
14	Miami Copper Co.....	GD.....		Miami.....	Miami.....	
15	Nogales Electric Light, Ice & Water Co.....	GD.....	Nogales and Sonora, Mexico.....	Nogales.....	Nogales.....	
16	Pacific Gas & Electric Co.....	GD.....	Phoenix.....	Phoenix.....	Phoenix.....	
17	Ray Consolidated Copper Co.....	GD.....		Hayden.....	Hayden.....	
18	Shannon Copper Co.....	GD.....		Clifton.....	Clifton.....	
19	South Side Gas & Electric Co.....	GD.....	Mesa.....	Mesa.....		
20	Tempe Light & Power Co.....	D.....	Tempe.....			
21	U. S. Reclamation Service.....	GD.....	Phoenix and vicinity.....	Arizona Falls.....	S. 28, T. 2 N., R. 4 E.....	Salt River.....
22	Do.....	GD.....		Crosscut.....	S. 9, T. 1 N., R. 4 E.....	do.....
23	Do.....	GD.....		Roosevelt.....	S. 19 and 20, T. 4 N., R. 12 E.....	do.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## ARKANSAS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
44	Private.....		860	925		575	\$0.15-\$0.075	\$0.10 - \$0.03		Mc. C.
45			200	100		100				Mc.
46			180	100		75	.15			Mc. C.
47			1,800	5,250		2,850	.15- .06	.05 - .02		M. Mc. C.
48	Private.....						.15		Walnut Ridge & Hoxie Light, Power & Transit Co.	Mc. C.
49			160	132		75	.12			Mc. C.
50			290	310		215	.10- .075	.08 - .06		Mc. C.
51			600	(1,670)		1,000	.20	.075		Mc.
52	Private.....	600	500	500		800	.15- .10	.05 - .02		M. Mc. C.
53	Do.....		1,550	3,350		2,375	.10- .06	.06 - .025		Mc. M. C.
54			125	250		80				Mc.
55			180	180		145				Mc.
56	Private.....		4,400	9,900		7,300	.10	.075		M. Mc. C.
57			500	750		630				Mc.
58									Arkansas Lumber Co.	Mc. C.
59					20	12				Mc.
Total, A.....		2,200	25,799	44,837	245	31,377				

## B.—MUNICIPAL PLANTS.

60	Private.....		360	475		310	\$0.10	\$0.06		Mc. C.
61			300	325		225				Mc.
62			150	300		270				Mc.
63			180	200		100				Mc.
64	Private.....		(225)	250		225				Mc. C.
65										Mc.
66			100	(125)		75				Mc.
67			300	650		500				Mc.
68			475	1,110		720				Mc.
69	Private.....		200	(110)		66				C.
70			350	500		500				Mc.
71	Private.....		200	240		150	.125	.09 - .07		Mc. C.
72	Do.....				130	100	\$0.12- .10	.075 - .05		C.
73			(125)	140		125				Mc.
74	Private.....		180	262		175	.10- .08	.08 - .06		Mc. C.
75	Do.....		140	325		150	.12- .08	.055- .025		Mc. C.
76			220	120		80				Mc.
Total, B.....			3,505	5,132	130	3,771				

## C.—ALL OTHER PLANTS.

77	Private.....		900	850		600				C.
Total, C.....			900	850		600				
Grand total.....		2,200	30,204	50,839	375	35,748				

## ARIZONA.

## A.—PUBLIC UTILITY PLANTS.

1			(7,000)	10,000		8,700				Mc. M. C.
2	Forest.....	9,000				6,750				O. C.
3			600	750		330				Mc. M.
4			900	1,075		800	\$0.16-\$0.025			Mc. C.
5	Private.....		1,640	3,700		1,500				Mc. M. C.
6			(1,500)	(2,500)		1,500				C.
7			(1,600)	(2,670)		1,600				C.
8			2,400	4,000		4,000	.12			Mc.
9	Private.....		1,349	1,970			.15- .06			M. O.
10	Do.....		250	500		520	.15- .015		Copper Queen Consolidated Mining Co.	Mc. M. C.
11			750	1,310	870	1,760				Mc.
12	Private.....		300	300		250	.18- .06	\$0.09-\$0.04		Mc.
13			500	850		575				M. Mc. C.
14			(3,000)	(5,000)		3,000				M. C.
15			330	275		187	.20			M. Mc. C.
16			1,200	1,340		1,000	.08- .025		U. S. Reclamation Service	M. Mc. C.
17			(8,000)	(14,700)		8,800				M. C.
18			500	300		295				M. C.
19		380	200	400		300			U. S. Reclamation Service	Mc. O.
20									South Side Gas & Electric Co.	Mc.
21	Government.....	7,450				1,060	.05	.05		Mc. O. C.
22	Do.....	6,000				5,250	.05	.05		Mc. O. C.
23	Do.....	8,000				10,000	.05	.05		Mc. O. C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
ARIZONA—Continued.

A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
24	U. S. Reclamation Service .....	GD .....	.....	South Consolidated .....	S. 22, T. 2 N., R. 6 E. ....	Salt River .....
25	Upper Verde Public Utilities Co. ....	D .....	Jerome .....	.....	.....	.....
26	Warren-Bisbee Railway .....	D .....	Warren .....	.....	.....	.....
27	Williams Water & Electric Co. ....	GTD .....	Williams, Ashfork, and Flagstaff.	Williams .....	Williams .....	.....
28	Winslow Electric Light & Power Co. ....	GD .....	Winslow .....	Winslow .....	Winslow .....	.....
29	Yuma Electric & Water Co. ....	GD .....	Yuma .....	Yuma .....	Yuma .....	.....

B.—MUNICIPAL PLANTS.

30	.....	D .....	Glendale .....	Glendale .....	.....	.....
31	.....	GD .....	Pima .....	Pima .....	.....	.....

CALIFORNIA.

A.—PUBLIC UTILITY PLANTS.

1	Alpine Evaporated Cream Co. ....	GD .....	Gonzales .....	Gonzales .....	Gonzales .....	.....
2	Alturas Electric Light & Power Co. ....	GD .....	Alturas .....	Alturas .....	S. 35, T. 42 N., R. 13 E. ....	Pine Creek .....
3	Amador Electric Light & Power Co. ....	D .....	Amador City and vicinity .....	.....	.....	.....
4	Barstow Utilities Co. ....	D .....	Barstow .....	.....	Barstow .....	.....
5	Bay Point Light & Water Co. ....	GD .....	Bay Point .....	.....	Bay Point .....	.....
6	Bell Electric Co. ....	D .....	East Auburn .....	.....	East Auburn .....	.....
7	Ben Lomond Light Co. ....	D .....	Ben Lomond .....	.....	Ben Lomond .....	.....
8	Boulder Creek Electric Light & Water Co. ....	GD .....	Boulder Creek .....	Boulder Creek .....	.....	Boulder Creek .....
9	Byllesby, H. M., & Co. ....	M .....	.....	.....	.....	.....
10	San Diego Consolidated Gas & Electric Co. ....	GTD .....	San Diego .....	San Diego .....	San Diego .....	South Fork American River.
	Western States Gas & Electric Co. of California.	GTD .....	San Joaquin, Sacramento, Eldorado, Amador, Contra Costa, and Humboldt Counties.	American River .....	.....	.....
11	Do .....	GTD .....	do .....	Eureka .....	.....	Trinity River .....
12	Do .....	GTD .....	do .....	do .....	.....	.....
13	Do .....	GTD .....	do .....	Junction City .....	.....	Canyon Creek .....
14	Do .....	GTD .....	do .....	Stockton .....	.....	.....
15	Cain, J. S. ....	GT .....	.....	Green Creek .....	.....	Green Creek .....
16	California-Oregon Power Co. ....	GTD .....	Northern California and southern Oregon.	Falls Creek .....	T. 48 N., R. 5 W. ....	Fall Creek .....
17	Do .....	GTD .....	do .....	Shasta .....	T. 45 N., R. 7 W. ....	Shasta River .....
18	California Telephone & Light Co. ....	TD .....	Sonoma County .....	.....	.....	.....
19	Coachella Valley Ice & Electric Co. ....	TD .....	Imperial and Coachella Valleys.	.....	.....	.....
20	Coast Counties Gas & Electric Co. ....	GD .....	Santa Cruz, Capitola, Seabright, Davenport, Watsonville, and vicinity.	Big Creek .....	S. 8, T. 10 S., R. 3 W. ..	Big Creek .....
21	Do .....	GD .....	do .....	Santa Cruz .....	Santa Cruz .....	.....
22	Do .....	GD .....	do .....	Watsonville .....	Watsonville .....	.....
23	Crescent City Light, Water & Power Co. ....	GD .....	Crescent City .....	Crescent City .....	.....	.....
24	Diamond Match Co. ....	GD .....	Stirling City .....	Stirling City .....	Stirling City .....	.....
25	Downieville Electric Light Co. ....	GD .....	Downieville .....	Downieville .....	.....	.....
26	Durham Light & Power Co. ....	D .....	Durham and Dayton .....	.....	.....	.....
27	Dutch Flat Electric Light Plant .....	D .....	Dutch Flat .....	.....	Dutch Flat .....	.....
28	Escondido Utilities Co. ....	GD .....	Escondido .....	Escondido .....	Escondido .....	.....
29	Forest Hill Electric Co. ....	GD .....	Forest Hill .....	Forest Hill .....	.....	.....
	Fort Bragg Electric Co. ....	GTD .....	.....	.....	.....	.....
30	(Lessor, Union Lumber Co.) .....	L .....	Fort Bragg .....	Fort Bragg .....	Fort Bragg .....	.....
31	Half Moon Bay Light & Power Co. ....	D .....	Half Moon Bay .....	Half Moon Bay .....	Half Moon Bay .....	.....
32	Hemet Milling & Power Co. ....	GD .....	Hemet .....	Hemet .....	Hemet .....	.....
33	Holton Power Co. ....	GTD .....	Brawley, Calexico, El Centro, Holtville, and Imperial.	El Centro .....	.....	.....
34	Do .....	GTD .....	do .....	do .....	.....	.....
35	Do .....	GTD .....	do .....	Holtville, No. 1 .....	.....	.....
36	Do .....	GTD .....	do .....	Holtville, No. 2 .....	.....	.....
37	Huntington Beach Co. ....	GD .....	Huntington Beach .....	Huntington Beach .....	Huntington Beach .....	.....
38	Jensen, N. P. ....	GD .....	Lakeview, Oreg., and Fairport, Cal.	Jensen's .....	T. 48 N., R. 15 E. ....	New Pine Creek .....
39	Lacey, H. G., Co. ....	D .....	Hanford .....	Hanford .....	.....	.....
40	Lassen Electric Co. ....	GD .....	Susanville and Halltown .....	Bunnell Springs .....	.....	.....
41	Do .....	GD .....	do .....	Susan River .....	.....	.....
42	Light & Power Utilities Co. ....	D .....	Banning .....	.....	Banning .....	.....
43	Lompoc Light & Power Co. ....	GD .....	Lompoc .....	Lompoc .....	Lompoc .....	.....
44	Loyalton Electric Light Co. ....	GD .....	Loyalton .....	Loyalton .....	Loyalton .....	.....
45	McKinley Bros. Light Plant .....	GD .....	.....	.....	.....	.....
46	Mariposa Commercial & Mining Co. ....	GD .....	Bagby, Mount Bullion, and Mariposa.	Bagby .....	S. 6, T. 4 S., R. 17 E. ....	.....
47	Mendocino Electric Light & Power Co. ....	D .....	Mendocino County .....	.....	.....	.....
48	Middle Yuba Hydro-Electric Power Co. ....	D .....	Alleghany and vicinity .....	.....	.....	.....



## ARIZONA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

### B.—MUNICIPAL PLANTS.

## CALIFORNIA.

A.—PUBLIC UTILITY PLANTS.

[illegible]

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## CALIFORNIA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
49	Mount Kinociti Light & Power Co.....	D.....	Lakeport and Hopland.....			
50	Mount Whitney Power & Electric Co.....	GTD....	Kings and Tulare Counties..	Kaweah, No. 1.....	S. 8, T. 17 S., R. 29 E..	Kaweah River.....
51	Do.....	GTD....	do.....	Kaweah, No. 2.....	T. 17 S., R. 28 E..	do.....
52	Do.....	GTD....	do.....	Kaweah, No. 3.....	S. 4, T. 17 S., R. 29 E..	do.....
53	Do.....	GTD....	do.....	Tule.....	T. 21 S., R. 30 E..	Tule River.....
54	Do.....	GTD....	do.....	Visalia.....	Visalia.....	
55	Municipal Light & Power Co.....			San Francisco.....		
56	Napa Valley Electric Co.....	D.....	St. Helena and vicinity.....			
57	Needles Gas & Electric Co.....	GD.....	Needles.....	Needles.....	Needles.....	
58	Nevada-California Power Co.....	GTD....	Esmeralda County, Nev., Inyo, Mono, Riverside, and San Bernardino Counties, Cal.	Bishop Creek, No. 2.....	S. 9, T. 8 S., R. 31 E..	Bishop Creek.....
59	Do.....	GTD....	do.....	Bishop Creek, No. 3.....	S. 36, T. 7 S., R. 31 E..	do.....
60	Do.....	GTD....	do.....	Bishop Creek, No. 4.....	S. 19, T. 7 S., R. 32 E..	do.....
61	Bishop Light & Power Co.....	D.....	Bishop.....	Bishop.....	Bishop.....	
62	Corona Gas & Electric Light Co.....	D.....	Corona.....	Corona.....	Corona.....	
63	Southern Sierras Power Co.....	GTD....		Bishop Creek, No. 5.....	S. 17, T. 7 S., R. 32 E..	Bishop Creek.....
64	Do.....	GTD....		Bishop Creek, No. 6.....	S. 9, T. 7 S., R. 32 E..	do.....
65	Do.....	GTD....		San Bernardino.....	San Bernardino.....	
66	Northern California Power Co.....			Coleman.....	S. 32, T. 30 N., R. 2 W..	Battle Creek.....
67	Do.....			Inskip.....	S. 3, T. 29 N., R. 1 W..	do.....
68	Do.....			Kilarc.....	S. 33, T. 33 N., R. 1 E..	Cow Creek.....
69	Do.....			Snow Creek.....	S. 18, T. 31 N., R. 1 E..	Snow Creek.....
70	Do.....			South.....	S. 5, T. 29 N., R. 1 E..	Battle Creek.....
71	Do.....			South Cow Creek.....	S. 6, T. 31 N., R. 1 W..	South Cow Creek.....
72	Do.....			Volta.....	S. 16, T. 30 N., R. 1 E..	Battle Creek.....
73	Northwestern Redwood Lumber Co.....	GD.....		Northwestern.....	S. 11, T. 18 N., R. 14 W..	
74	Novata Light & Power Co.....	D.....	Novata.....			
75	Oceanside Electric & Gas Co.....	GD.....	San Luis Rey Valley.....	Oceanside.....	Oceanside.....	
76	Oro Electric Corporation.....	GTD....	Oroville & Stockton.....	Coal Canyon.....	S. 11, T. 20 N., R. 3 E..	Coal Canyon.....
77	Do.....			Lime Saddle.....	S. 6, T. 21 N., R. 4 E..	West Branch Feather River.....
78	Do.....			Stockton.....	Stockton.....	
79	Pacific Gas & Electric Co.....			Alta.....	S. 25, T. 16 N., R. 10 E..	North Fork American River.....
80	Do.....			Centerville.....	S. 5, T. 22 N., R. 3 E..	Butte Creek.....
81	Do.....			Colgate.....	S. 16, T. 17 N., R. 7 E..	North Yuba River.....
82	Do.....			Deer Creek.....	S. 34, T. 17 N., R. 10 E..	South Yuba River.....
83	Do.....			De Sabla.....	S. 10, T. 23 N., R. 3 E..	Butte Creek.....
84	Do.....			Drum.....	S. 17, T. 16 N., R. 11 E..	South Yuba River.....
85	Do.....			Electra.....	S. 32, T. 6 N., R. 12 E..	Mokelumne River.....
86	Do.....			Folsom.....	S. 35, T. 10 N., R. 7 E..	American River.....
87	Do.....			Newcastle.....	S. 30, T. 12 N., R. 8 E..	North Fork American River.....
88	Do.....			Oakland, "C".....	Oakland.....	
89	Do.....			Sacramento, "B".....	Sacramento.....	
90	Do.....			San Francisco, "A".....	San Francisco.....	
91	Do.....			San Jose, "A".....	San Jose.....	
92	Pacific Lighting Corporation.....					
93	Los Angeles Gas & Electric Corporation.....	GD.....	Los Angeles.....	Los Angeles.....	Los Angeles.....	
94	Pacific Light & Power Corporation.....			Azusa.....	S. 23, T. 1 N., R. 10 W., S. B. M.	San Gabriel River.....
95	Do.....			Big Creek, No. 1.....	S. 28, T. 8 S., R. 25 E..	Big Creek.....
96	Do.....			Big Creek, No. 2.....	S. 25, T. 8 S., R. 24 E..	do.....
97	Do.....			Borel.....	S. 10, T. 27 S., R. 32 E..	Kern River.....
98	Do.....			Highgrove.....	T. 1 S., R. 2 W., S. B. M.	Warm Springs Creek.....
99	Do.....			Mentone.....	S. 4, T. 1 S., R. 2 W., S. B. M.	Santa Ana River.....
100	Do.....			Oil Wells.....	Los Angeles.....	
101	Do.....			Redondo.....		
102	Do.....			Riverside.....	S. 32, T. 2 S., R. 6 W., S. B. M.	Santa Ana River.....
103	Do.....			Sierra.....	S. 36, T. 2 N., R. 8 W., S. B. M.	San Antonio Creek.....
104	Do.....			Third Street.....	Los Angeles.....	
105	Lessor, Pacific Electric Ry. Co.....	L.....		Central Avenue.....	do.....	
106	Ventura County Power Co.....	GTD....	Oxnard and vicinity.....	Oxnard.....	Oxnard.....	
107	Pacific Power Co. (Leased).....	GTD....	Esmeralda County, Nev.....	Lundy Lake.....		Mill Creek.....
108	Do.....			Mill Creek.....	S. 12, T. 2 N., R. 25 E..	do.....
109	Pinole Electric Light & Power Co.....	D.....	Pinole.....		Pinole.....	
110	Plumas Light & Power Co.....	GD.....	Greenville and Crescent Mills	Greenville.....		
111	Point Arena Electric Light Co.....	GD.....	Point Arena.....	Point Arena.....	Point Arena.....	
112	Quincy Electric Light & Power Co.....	GD.....	Quincy.....	Quincy.....		
113	Rialto Light, Power & Water Co.....	D.....				
114	San Antonio Water Co.....	H.....				
115	Ontario Power Co.....	GD.....	Ontario and Upland.....	Ontario.....	T. 1 N., R. 8 W., S. B. M.	San Antonio Creek.....
116	Do.....			Upland.....		
117	San Joaquin Light & Power Corporation.....			Bakersfield.....	Bakersfield.....	
118	Do.....			Fresno.....	Fresno.....	
119	Do.....			Kern Canyon.....	S. 6, T. 29 S., R. 30 E..	Kern River.....
120	Do.....			New San Joaquin.....	S. 18, T. 9 S., R. 23 E..	North Fork San Joaquin.....
121	Do.....			Plant No. 3.....	S. 12, T. 8 S., R. 22 E..	do.....
122	Do.....			San Luis Obispo.....	San Luis Obispo.....	
123	Do.....			Santa Maria.....	Santa Maria.....	
124	Do.....			Tule River.....	S. 26, T. 20 S., R. 30 E..	Middle Tule River.....
125	Midland Counties Public Service Corporation.....	D.....	Fresno, San Luis Obispo, and Santa Maria Counties.			



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## CALIFORNIA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
49									Snow Mountain Water & Power Co.	Mc. P.
50	Forest.....	(2,250)				1,350	\$0.10	\$0.05		Mc. O. P.
51	Do.....	(2,800)				1,700				Mc. O. P.
52	Do.....	6,000				3,500				Mc. O. P.
53	Do.....	3,600				2,500				Mc. O. P.
54			9,000	9,000		6,750				Mc. O. P.
55			1,800	2,870		2,300				Mc. O.
56									Snow Mountain Water & Power Co.	Mc. O.
57					325	231				Mc. O. P.
58	Forest.....	11,850				6,000	.12	.06		Mc. O. M. P.
59	Do.....	(11,300)				6,750				Mc. O. P.
60	Do.....	8,800				6,000				Mc. O. P.
61									Southern Sierras Power Co.	Mc.
62									Pacific Light & Power Corporation.	Mc.
63	Forest.....	2,500				1,500				Mc. O. P.
64		3,330				2,000				Mc. O. P.
65			3,500	10,670		10,000				O. P.
66		21,000				15,000				Mc. O. M.
67		(10,000)				6,000				Mc. O. P.
68		(5,000)				3,000				Mc. O. P.
69	Forest.....	(2,000)				1,200				Mc. O. P.
70		(6,700)				4,000	.10	.05		Mc. O. P.
71	Forest.....	(2,500)				1,500				Mc. O. P.
72		12,000				6,650	.10	.05		Mc. O. P.
73		125	500	350		325	.15	.06		C.
74										P.
75			86	200		125				Mc.
76		2,600				1,000			Northern California Power Co. and Pacific Gas & Electric Co.	Mc. O. P.
77	Forest.....	3,400				2,000				Mc. O. P.
78			2,400	1,300		1,000	.065	.045		Mc. O. P.
79						1,000				O. Mc. M. P.
80						6,400				O. P.
81						14,200				O. P.
82						5,500				O. P.
83		152,080				13,000				O. P.
84						25,000				O. P.
85						20,000	.10	.05	Snow Mountain Water & Power Co.	O. P.
86						3,750			Great Western Power Co.	Mc. O. P.
87						800				Mc. O. P.
88			6,090			21,000				O. P.
89			4,932			5,000				O. P.
90			15,222	104,870		53,500				O. P.
91			(2,000)	(3,670)		2,200				O.
92			20,250	34,202		23,552				Mc. P. M.
93	Forest.....	(2,500)				1,500	.09	.04		Mc. O. M.
94	Do.....	47,000				35,000	.09	.04		O. P.
95	Do.....	47,000				35,000	.09	.04		O. P.
96	Do.....	(16,700)				10,000	.09	.04		Mc. O. P.
97		(250)				150				O. P.
98	Forest.....	(2,500)				1,500	.09	.04		Mc. O. P.
99			312	250	500	450				Mc. O. P.
100			21,744	60,000		45,000	.09	.04		Mc. O. P.
101		1,000				600	.09	.04		Mc. O. P.
102	Private.....	(1,000)				600				Mc. O. P.
103			3,000	4,250		2,250				Mc. O. P.
104				( <sup>a</sup> )		8,550				P. O.
105			600	500		875			Southern California Edison Co.	Mc. O. P.
106	Forest.....	(120)				250				O. P.
107		4,000				3,000			Nevada-California Power Co.	Mc. O. P.
108									Pacific Gas & Electric Co.	Mc.
109		50				30				Mc.
110					50	45				Mc.
111		175				100				Mc.
112										O.
113	Private.....	1,380				750			Southern California Edison Co.	Mc. O.
114			600	600		400				Mc. O.
115			(16,000)	(27,500)		16,550	.12	.06		O. P.
116			1,000	750		510				O. P.
117	Forest.....	(2,250)				1,350				O.
118	Do.....	24,400				16,000			Southern California Edison Co. and Mount Whitney Power & Electric Co.	O.
119	Do.....	3,500				2,000				O.
120			(180)	(300)		180				O. P.
121			(240)	(400)		210				O. P.
122	Forest.....	10,000				6,000				O.
123									San Joaquin Light and Power Corporation.	O.

<sup>a</sup> See No. 199.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## CALIFORNIA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant	Location.	Stream utilized.
124	Santa Catalina Island Co.....	GD.....	Avalon.....	Avalon.....		
125	Sierra City Electric Light Co.....	GD.....	Sierra City.....	Sierra City.....		
126	Snow Mountain Water & Power Co.....	GTD.....	Potter Valley and Ukiah.....	Potter Valley.....	T. 17 N., R. 11 W.....	South Fork Eel River.
127	Soulsbyville Electric Light Co.....	GD.....	Soulsbyville.....	Soulsbyville.....		
128	Southern California Edison Co.....			Kern River, No. 1.....	S. 29, T. 28 S., R. 30 E.....	Kern River.....
129	Do.....			Long Beach.....	Long Beach.....	
130	Do.....			Los Angeles, No. 3.....	Los Angeles.....	
131	Do.....			Lytle Creek.....	S. 6, T. 1 N., R. 5 W.....	Lytle Creek.....
132	Do.....			Mill Creek, No. 1.....	S. 14, T. 1 S., R. 2 W.....	Mill Creek.....
133	Do.....			Mill Creek, No. 2.....	S. 13, T. 1 S., R. 2 W.....	do.....
134	Do.....			Mill Creek, No. 3.....	do.....	do.....
135	Do.....			Redlands.....	Redlands.....	
136	Do.....			Santa Ana, No. 1.....	S. 26, T. 1 N., R. 2 W.....	Santa Ana River.....
137	Do.....			Santa Ana, No. 2.....	S. 34, T. 1 N., R. 2 W.....	do.....
138	Santa Barbara Gas & Electric Co.....	GTD.....		Santa Barbara.....	Santa Barbara.....	
139	Southern Pacific Co.....	H.....				
140	Peninsula Railway Co.....	D.....	Campbell.....		Campbell.....	
141	South Coast Land Co.....	GD.....	Del Mar.....	Del Mar.....	Del Mar.....	
142	Stone & Webster Mgt. Association.....	M.....				
143	Truckee River General Electric Co.....	GTD.....	West Central Nevada.....	Farad.....	S. 12, T. 18 N., R. 17 E.....	Truckee River.....
144	Surprise Valley Electric Light & Power Co.....	D.....	Cedarville.....		Cedarville.....	
145	Truckee Electric Light & Power Co.....	GD.....	Truckee.....	Truckee.....		
146	Tulare County Power Co.....	GTD.....	Tulare County.....	Tulare.....	Tulare.....	
147	Tuolumne County Electric Power & Light Co.....	D.....	Tuolumne County.....			
148	Tuolumne Electric Co.....	GD.....	Tuolumne and Mariposa Counties.....	Tuolumne.....	S. 6, T. 1 S., R. 17 E.....	Clavey River.....
149	Tuolumne Trans. Co.....	D.....	Tuolumne County.....			
150	United Light, Fuel & Power Co.....	D.....	Coronado.....		Coronado.....	
151	United Properties Co. of California.....	H.....				
152	Central Oakland Light & Power Co.....	GD.....	San Francisco.....	Second Street.....	Oakland.....	
153	Do.....	GD.....	Oakland and vicinity.....	Twelfth Street.....	do.....	
154	Consumers Light & Power Co.....	GD.....	do.....	Whitney Building.....	San Francisco.....	
155	Equitable Light & Power Co.....	GD.....	do.....	Phelan Building.....	do.....	
156	Southside Light & Power Co.....	GD.....				
157	(Lessor, United Light & Power Co.).....	L.....		Minna, Street.....	do.....	
158	United Light & Power Co. of California.....	GD.....				
159	(Lessor, San Francisco-Oakland & S. J. C. Ry. Co.).....	L.....		Yerba Buena.....	Oakland.....	
160	United Railways Investment Co.....	H.....				
161	Coast Valleys Gas & Electric Co.....	GTD.....	Monterey County.....	Monterey.....	Monterey.....	
162	Sierra & San Francisco Power Co.....	GTD.....	Calaveras, Contra Costa, Monterey, San Francisco, San Joaquin, Stanislaus, and Tuolumne Counties.....	Knights Ferry.....	S. 29, T. 1 S., R. 12 E.....	Stanislaus River.....
163	Do.....		do.....	North Beach.....	San Francisco.....	
164	Do.....		do.....	Phoenix.....	S. 16, T. 2 N., R. 15 E.....	South Fork Stanislaus River.
165	Do.....		do.....	Stanislaus.....	S. 6, T. 3 N., R. 15 E.....	North Fork Stanislaus River.
166	Universal Electric & Gas Co.....	GD.....	San Francisco County.....	San Francisco.....	San Francisco.....	
167	Utica Gold Mfg. & Hobart Est. Co.....	GD.....	Angels and vicinity.....	Utica.....	S. 33, T. 4 N., R. 14 E.....	North Fork Stanislaus River.
168	Vacaville Water & Light Co.....	D.....	Vacaville.....		Vacaville.....	
169	Vallejo Electric Light & Power Co.....	D.....	Vallejo.....		Vallejo.....	
170	Weaverville Electric Co.....	GD.....	Weaverville.....	Weaverville.....		
171	Western Power Co.....	H.....				
172	City Electric Co.....	GD.....		San Francisco.....		
173	Great Western Power Co.....	GTD.....	Sacramento, Brightstown, Oakland and vicinity.....	Butt Creek.....		Butt Creek.....
174	Do.....			Las Plumas.....		North Fork Feather River.
175	(Lessor, California Electric Generating Co.).....	L.....		Oakland.....	Oakland.....	
176	West Sacramento Electric Co.....	D.....	Broderick.....			
177	West Side Lumber Co.....	GTD.....	Tuolumne.....	Tuolumne.....		
178	Yosemite Power Co.....	GTD.....	Stanislaus County.....	La Grange.....	S. 20, T. 3 S., R. 14 E.....	Tuolumne River.....
179	Yosemite Valley Light & Power Plant.....	GD.....	Yosemite Valley.....	Yosemite.....		Merced River.....

## B.—MUNICIPAL PLANTS.

173		GD.....	Alameda.....	Alameda.....	Alameda.....	
174		GD.....	Anaheim.....	Anaheim.....	Anaheim.....	
175		D.....	Azusa.....	Azusa.....	Azusa.....	
176		D.....	Biggs.....	Biggs.....	Biggs.....	
177		D.....	Burbank.....	Burbank.....	Burbank.....	
178		D.....	Glendale.....	Glendale.....	Glendale.....	
179		D.....	Gridley.....	Gridley.....	Gridley.....	
180		D.....	Lodi.....	Lodi.....	Lodi.....	
181	City of Los Angeles.....	GD.....	Los Angeles.....	Cottonwood.....	S. 23, T. 17 S., R. 36 E.....	Cottonwood Creek.....
182	Do.....		do.....	Division Creek, No. 1.....	S. 33, T. 11 S., R. 34 E.....	Division Creek.....
183	Do.....		do.....	Division Creek, No. 2.....	S. 5, T. 12 S., R. 34 E.....	do.....
184	Do.....		do.....	San Francisquito, No. 1.....		Clear Creek.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## CALIFORNIA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
124	.....	.....	500	600	.....	320	.....	.....	.....	Me. O.
125	.....	10	.....	.....	.....	37½	.....	.....	.....	Me.
126	.....	10,000	.....	.....	.....	6,500	.....	.....	Pacific Gas & Electric Co.	Me. O. C. P.
127	.....	50	.....	.....	.....	30	.....	.....	.....	Me.
128	Forest.....	43,000	.....	.....	.....	20,000	.....	.....	.....	O. P.
129	.....	.....	19,240	62,670	.....	47,000	.....	.....	.....	Me. O. P.
130	.....	.....	9,250	13,300	.....	10,000	.....	.....	.....	O. P.
131	Forest.....	1,100	.....	.....	.....	500	.....	.....	Pacific Electric Railway Co.;	O. P.
132	.....	(1,250)	.....	.....	.....	750	.....	.....	Ontario Power Co.; Pacific	O. P.
133	Forest.....	350	.....	.....	.....	250	.....	.....	Power & Light Corporation;	O. P.
134	Do.....	3,900	.....	.....	.....	3,000	.....	.....	Los Angeles Gas & Electric	O. P.
135	.....	.....	(600)	(1,000)	.....	600	.....	.....	Co.	O. P.
136	Forest.....	(5,000)	.....	.....	.....	3,000	.....	.....	.....	O. P.
137	Do.....	1,800	.....	.....	.....	1,000	.....	.....	.....	O. P.
138	.....	.....	1,070	2,150	.....	2,120	.....	.....	.....	Me. O.
139	.....	.....	.....	.....	.....	.....	.....	.....	Pacific Gas & Electric Co.	Me.
140	.....	.....	275	250	.....	120	.....	.....	.....	Me.
141	.....	2,400	.....	.....	.....	1,500	.....	.....	.....	O. P.
142	.....	.....	.....	.....	.....	.....	.....	.....	Alturas Electric Light &	Me.
143	.....	240	.....	.....	.....	150	.....	.....	Power Co.	Me.
144	.....	.....	1,200	3,000	.....	1,500	.....	.....	.....	Me. O.
145	.....	.....	.....	.....	.....	.....	.....	.....	Sierra & San Francisco Power	Me.
146	Forest.....	(1,000)	.....	.....	.....	600	.....	.....	Co.	O.
147	.....	.....	.....	.....	.....	.....	.....	.....	Tuolumne Electric Co.	O.
148	.....	.....	.....	.....	.....	.....	.....	.....	San Diego Electric Railway Co.	Me.
149	.....	.....	1,488	(3,330)	.....	2,000	.....	.....	.....	Me. P. M.
150	.....	.....	240	(125)	.....	75	.....	.....	.....	Me. P. M.
151	.....	.....	880	(1,200)	.....	725	.....	.....	.....	Me. P. M.
152	.....	.....	1,000	(2,500)	.....	1,500	.....	.....	.....	Me. P. M.
153	.....	.....	1,000	(1,670)	.....	1,000	.....	.....	.....	Me. M. P.
154	.....	.....	5,500	(12,200)	.....	7,350	.....	.....	.....	Me. M. P.
155	.....	.....	1,500	1,330	.....	1,000	.....	.....	Sierra & San Francisco Power	Me. O. M.
156	.....	(2,500)	.....	.....	.....	1,500	.....	.....	Co. Yosemite Power Co.	P.
157	.....	.....	7,600	24,000	.....	18,000	.....	.....	.....	O.
158	Forest.....	(3,100)	.....	.....	.....	1,875	.....	.....	Pacific Gas & Electric Co.	Me.
159	Do.....	60,000	.....	.....	.....	34,000	.....	.....	City Electric Co.	O. C.
160	.....	(1,650)	(2,240)	(2,460)	.....	2,240	.....	.....	.....	P.
161	Forest.....	(2,500)	.....	.....	.....	1,500	.10	84.00	.....	O.
162	.....	.....	.....	.....	.....	.....	.....	.....	Pacific Gas & Electric Co.	Me. O.
163	.....	.....	.....	.....	.....	.....	.....	.....	do.....	Me. O.
164	Forest.....	60	.....	.....	.....	50	.....	.....	.....	.....
165	.....	.....	7,200	24,670	.....	21,000	.....	.....	.....	Me. O.
166	Forest.....	(1,330)	.....	.....	.....	800	.....	.....	.....	Me. O.
167	.....	72,000	.....	.....	.....	52,500	.....	.....	.....	Me. O.
168	.....	.....	(10,500)	14,000	.....	10,500	.09	.08	.....	Me. O. P.
169	.....	.....	(650)	900	.....	650	.09	.05	Pacific Gas & Electric Co.	O.
170	.....	.....	.....	.....	.....	.....	.....	.....	Sierra & San Francisco Power	C. Me.
171	.....	1,650	.....	.....	.....	900	.....	.....	Co.	Me. O. P.
172	.....	260	.....	.....	.....	150	.....	.....	.....	C.
Total, A.....		676,425	196,618	461,917	2,055	778,332	.....	.....	.....	.....

## B.—MUNICIPAL PLANTS.

173	.....	.....	1,740	2,750	.....	3,000	.....	.....	.....	Me. O.
174	.....	.....	375	450	.....	310	.....	.....	.....	Me.
175	.....	.....	.....	.....	.....	.....	.....	.....	Pacific Light & Power Cor-	Me.
176	.....	.....	.....	.....	.....	.....	.....	.....	poration.	.....
177	.....	.....	.....	.....	.....	.....	.....	.....	Pacific Gas & Electric Co.	Me.
178	.....	.....	.....	.....	.....	.....	.....	.....	.....	Me.
179	.....	.....	.....	.....	.....	.....	.....	.....	Pacific Gas & Electric Co.	Me. P.
180	.....	.....	.....	.....	.....	.....	.....	.....	Western States Gas & Electric	Me. P.
181	Forest.....	(2,500)	.....	.....	.....	1,500	.....	.....	Co.	O.
182	Do.....	(200)	.....	.....	.....	120	.....	.....	.....	O.
183	Do.....	(1,000)	.....	.....	.....	600	.....	.....	.....	O.
184	.....	42,000	.....	.....	.....	28,000	.....	.....	.....	O. Me.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
CALIFORNIA—Continued.

B—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
185		GD.....	Palo Alto.....	Palo Alto.....	Palo Alto.....	
186		GD.....	Pasadena.....	Pasadena.....	Pasadena.....	
187		D.....	Potter Valley.....	Potter Valley.....	Potter Valley.....	
188		D.....	Santa Clara.....	Santa Clara.....	Santa Clara.....	
189		D.....	Ukiah.....	Ukiah.....	Ukiah.....	
190		D.....	Santa Cruz.....	Santa Cruz.....	Santa Cruz.....	

C.—ALL OTHER PLANTS.

191	California State Cable R. R. Co.....	G.....	Electric railway.....	San Francisco.....	San Francisco.....	
192	Humboldt Transit Co.....	G.....	do.....	Humboldt Bay.....	Humboldt Bay.....	
193	Los Angeles & San Diego Beach Ry. Co.....	G.....	do.....	San Diego.....	San Diego.....	
194	Monterey & Pacific Grove Ry. Co.....	G.....	do.....	Monterey.....	Monterey.....	
195	Northwestern Pacific R. R. Co.....	G.....	do.....	Alto.....	Alto.....	
196	Santa Barbara & Suburban Ry. Co.....	G.....	do.....	Santa Barbara.....		
	Spreckels, J. D. & A. B., Securities Co.....	H.....				
197	San Diego Electric Railway Co.....	G.....	do.....	San Diego.....	San Diego.....	
198	Southern Pacific Co.....	HG.....	do.....			
199	Pacific Electric Ry. Co.....	G.....	do.....	(Riverside).....	(Riverside).....	
	United Properties Co. of California.....	H.....				
200	San Francisco-Oakland Terminal Rys.....	G.....	do.....	Emeryville.....	Emeryville.....	

COLORADO.

A.—PUBLIC UTILITY PLANTS.

1	Aguilar Light & Power Co.....	D.....	Aguilar.....			
2	Black Hills & Denver Gold Mining Co.....			Jenny Creek.....	S. 30, T. 1 S., R. 73 W., 6 P. M.	
3	Boston & Colorado Power & Water Co., The.....	GD.....	Idaho Springs and Empire ..	Idaho Springs.....		
4	Brighton Light & Power Co.....	D.....	Brighton.....			
5	Brush Light & Power Co.....	GD.....	Brush.....	Brush.....	Brush.....	
6	Buena Vista Electric Light & Power Co.....	GD.....	Buena Vista.....	Buena Vista.....	T. 14 S., R. 78 W., 6 P. M.	Arkansas River.....
	Byllesby, H. M., & Co.....	M.....				
7	Arkansas Valley Railway, Light & Power Co..	GTD.....	Florence and Altman.....	Canon City.....	Canon City.....	
8	Do.....	GTD.....	Pueblo, Anaconda, Canon City.....	Pueblo.....	Pueblo.....	
9	Do.....	GTD.....	La Junta, Cripple Creek, Goldfield, Fowler.	La Junta.....	La Junta.....	
10	Do.....	GTD.....	Rocky Ford and Ordway....	Rocky Ford.....	Rocky Ford.....	
11	Do.....	GTD.....		Skaguay.....	S. 30, T. 17 S., R. 68 W., 6 P. M.	Beaver.....
12	Carbondale Light & Power Co.....	D.....	Carbondale.....	Carbondale.....		
13	Colorado Consolidated Mining & Electric Co.....	GD.....	Breckenridge.....	Breckenridge.....		
14	Colorado Power Co., The.....	GTD.....	Leadville, Denver.....	Middle Boulder Creek.	S. 34, T. 1 N., R. 71 W., 6 P. M.	Middle Boulder Creek.
15	Do.....	GTD.....	Boulder, Georgetown.....	Shoshone.....	S. 35, T. 5 S., R. 88 W., 6 P. M.	Grand.....
16	Do.....			Fuses.....	S. 32, T. 50 N., R. 7 E., N. M. M.	Fuses.....
17	Do.....	GTD.....	Salida, Monarch, and Gar- field.	Salida.....	S. 30, T. 50 N., R. 7 E., N. M. M.	South Fork Arkansas..
18	Do.....			Leadville.....	Leadville.....	
19	Do.....			Salida.....	Salida.....	
20	Do.....			Glenwood Springs.....	Glenwood Springs.....	
21	Colorado Yule Marble Co.....			Crystal River.....	T. 11 S., R. 88 W., 6 P. M.	Crystal, Yule and Lost Trail.
22	Conejos Cooperative R. M. & Manufacturing Co....	GD.....	Conejos and Antonito.....	Conejos.....		
23	Continental Mines Power & Red. Co.....	GD.....	New Castle.....	Fall River.....	Lombard.....	Fall River.....
24	Coryell Mine Leasing Co.....	GD.....	Crested Butte.....	New Castle.....	New Castle.....	
25	Crested Butte Light & Water Co.....	GD.....		Crested Butte.....		Coal.....
	Doherty Operating Co.....	M.....				
26	Denver Gas & Electric Light Co.....	GTD.....	Denver, Edgewater, Engle- wood, Aurora, Arvada, and Montezuma.	Denver.....	Denver.....	
27	Summit County Power Co.....	GD.....	Dillon, Argentine, Breck- enridge.	Dillon.....	T. 5 S., R. 77 W., 6 P. M.	Snake and Straight...
28	Empire Water & Power Co.....	GD.....		Colorado Springs.....	S. 17, T. 13 S., R. 68 W., 6 P. M.	Crystal.....
29	Erie Electric Light Co.....	D.....	Erie.....			
30	Estes Park Electric Light & Power Co.....	GD.....	Estes Park.....	Estes Park.....	T. 5 N., R. 73 W., 6 P. M.	Fall.....
31	Excelsior M. & M. Co.....	GD.....	Friseo.....	Friseo.....	Friseo.....	
32	Farmers Electric & Power Co.....	D.....	Eaton, Ault, Pierce, and Lu- cerne.			



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## CALIFORNIA—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
185	.....	.....	700	800	.....	485	.....	.....	.....	Mc.
186	.....	.....	1,500	8,000	.....	6,300	.....	.....	.....	Mc. O.
187	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mc.
188	.....	.....	.....	.....	.....	.....	.....	.....	Snow Mountain Water & Power Co.	Mc.
189	.....	.....	.....	.....	.....	.....	.....	.....	Pacific Gas & Electric Co.	Mc.
190	.....	.....	.....	.....	.....	.....	.....	.....	Snow Mountain Water & Power Co.	Mc.
	Total, B. ....	45,700	4,315	12,000	.....	40,315	.....	.....	.....	.....

## C.—ALL OTHER PLANTS.

191	.....	.....	650	500	.....	(300)	.....	.....	.....	M. Mc.
192	.....	.....	280	650	.....	400	.....	.....	.....	M. Mc.
193	.....	.....	.....	.....	60	140	.....	.....	.....	Mc.
194	.....	.....	(1,000)	1,330	.....	1,000	.....	.....	.....	Mc.
195	.....	.....	2,100	3,250	.....	4,700	.....	.....	.....	Mc.
196	.....	.....	(700)	250	.....	720	.....	.....	Santa Barbara Gas & Electric Co.	Mc.
197	.....	.....	2,860	6,800	.....	8,200	.....	.....	.....	Mc.
198	.....	.....	7,740	20,000	.....	15,000	.....	.....	.....	Mc.
199	.....	.....	8,500	28,170	.....	14,850	.....	.....	.....	Mc. M.
200	.....	.....	8,950	12,000	.....	10,550	.....	.....	.....	M. Mc.
	Total, C. ....	.....	32,780	72,950	60	55,860	.....	.....	.....	.....
	Grand total .....	722,125	233,713	546,867	2,115	874,507	.....	.....	.....	.....

## COLORADO.

## A.—PUBLIC UTILITY PLANTS.

1	.....	.....	.....	.....	.....	.....	.....	.....	Trin. El., Tr., Ry. & G. Co. ....	Mc.
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	O.
3	Private.....	700	925	600	.....	1,100	\$0.10 - \$0.07	\$0.04-\$0.01	.....	Mc. O.
4	.....	.....	.....	.....	.....	.....	.125- .10	.05- .04	Western Light & Power Co. ....	O.
5	Private.....	.....	160	225	.....	158	.....	.....	.....	C. Mc.
6	.....	125	.....	.....	120	80	.....	.12	.....	Mc. O. SE.
7	Private.....	.....	2,932	5,450	.....	4,900	.....	.....	.....	C. Mc.
8	Do.....	.....	4,635	6,124	.....	5,555	.11- .03	.06- .01	.....	C. Mc.
9	Do.....	.....	175	240	.....	150	.....	.....	.....	C. Mc.
10	Do.....	.....	150	80	.....	60	.....	.....	.....	Mc.
11	Do.....	2,400	.....	.....	.....	1,500	.....	.07	.....	C. Mc. O.
	.....	.....	.....	.....	.....	.....	.....	.....	.....	S. E.
12	.....	.....	.....	.....	.....	.....	.15	.15	Colorado Power Co. ....	O.
13	.....	150	150	150	.....	640	.....	.....	.....	Mc.
14	Forest.....	21,000	.....	.....	.....	10,000	.....	.....	.....	C. M. Mc.
15	Do.....	18,000	.....	.....	.....	10,000	.....	.....	.....	O. SE.
16	Do.....	750	.....	.....	.....	600	.....	.....	.....	C. Mc. O.
17	.....	2,000	900	920	.....	600	.....	.....	.....	C. Mc.
18	.....	.....	(2,000)	2,500	.....	1,925	.....	.....	.....	C. M. Mc.
19	.....	.....	(1,000)	1,200	.....	700	.....	.....	.....	C. M. O.
20	.....	.....	140	250	.....	50	.....	.....	.....	C. Mc.
21	Forest.....	1,800	414	670	.....	1,920	.....	.15	.....	C. O. SE.
22	Private.....	75	150	218	.....	100	.....	.20	.....	Mc.
23	.....	720	.....	.....	.....	450	.....	.....	.....	Mc. O.
24	.....	.....	300	133	.....	100	.....	.....	.....	Mc.
25	Private.....	75	80	67	.....	55	.....	.15	.....	C. Mc.
26	.....	.....	13,320	24,650	.....	15,350	.....	.....	Colorado Power Co. ....	C. M. Mc.
27	Forest.....	1,600	800	1,600	.....	1,650	.....	.....	.....	M. Mc. O.
28	.....	.....	200	(250)	.....	150	.....	.....	.....	C.
29	.....	.....	.....	.....	.....	.....	.075	.05	Western Light & Power Co. ....	O.
30	.....	1,350	.....	.....	.....	250	.....	.....	.....	Mc. O. SE.
31	.....	.....	(150)	150	.....	125	.....	.....	.....	C.
32	.....	.....	.....	.....	.....	.....	.....	.....	Western Light & Power Co. ....	C. Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENT, PUBLIC UTILITY,  
COLORADO—Continued.

A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
33	Federal Light & Traction Co.....	H.....				
34	Trinidad Electric Transmission Ry. & Gas Co.	GTD.....	Trinidad, Aquitar, and Walsenburg.	Hastings.....		
35	Do.....			Walsen.....		
35	Do.....			Trinidad.....	Trinidad.....	
36	Frazier River Timber Co.....	GD.....	Frazier.....	Frazier.....	Frazier.....	
37	Glenwood Light & Water Co.....	GD.....	Glenwood Springs and Cardiff.	Grizzly Creek.....	T. 5 S., R. 88 W., 6 P. M.	
38	Gilpin Light, Heat & Power Co.....	D.....	Central City and Russell.....			
39	Golden Illuminating Co.....	D.....	Golden.....			
40	Grand Junction & Grand River Valley Ry. Co.....	H.....				
40	Grand Junction Electric, Gas & Manufacturing Co.	GD.....	Grand Junction.....	Grand Junction.....	Grand Junction.....	
41	Hayden Concrete, Gas & Electric Co.....	GD.....	Hayden.....	Hayden.....	Hayden.....	
42	Hendrie and Bolthoff Manufacturing & Supply Co.	H.....				
42	Oak Creek Service Company.....	GD.....	Oak Creek.....	Oak Creek.....	Oak Creek.....	
43	Ordway Electric Light & Power Co.....	D.....	Ordway and Sugar City.....			
44	Palisades Service Co.....	GD.....	Palisades.....	Palisades.....	Palisades.....	
45	Hinsdale Manufacturing & Development Co.....	GD.....	Lake City.....	Lake City.....	T. 44 N., R. 4 W., N. M. M.	Gunnison.....
46	Home Gas & Electric Co.....	D.....	Greeley, Evans, and La Salle.			
47	Hotchkiss Packing & Power Co.....	GD.....	Hotchkiss.....	Hotchkiss.....	Hotchkiss.....	
48	Intermountain Railway, Light & Power Co.	GTD.....	Lamar.....	Lamar.....	Lamar.....	
49	Do.....	GTD.....	Las Animas and vicinity.....	Las Animas.....	Las Animas.....	
50	Kemp, J. H.....			Mid. Boulder Creek.....	S. 20, T. 1 S., R. 73 W., 6 P. M.	Mid. Boulder.....
51	La Jara Electric & Creamery Co.....	GTD.....	La Jara and Richfield.....	La Jara.....	La Jara.....	
52	La Veta Light, Heat & Power Co.....	GD.....	La Veta.....	La Veta.....		Cucharas.....
53	Lieber, John, Electric Light Plant.....	GD.....	Hugo.....	Hugo.....	Hugo.....	
54	Meeker Light, Heat & Power Co.....	GD.....	Meeker.....	Meeker.....	Meeker.....	White River.....
55	Monte Vista Light, Heat & Power Co.....	GD.....	Monte Vista.....	Monte Vista.....	Monte Vista.....	
56	Montezuma Electric Co.....	GD.....	Mancos.....	Mancos.....	Mancos.....	
57	Moore Light & Power Co.....	GD.....	Pagosa Springs.....	Pagosa Springs.....		
58	Muncie Property Investing Co.....	H.....				
59	Fort Lupton Light & Power Co.....	D.....	Fort Lupton and vicinity.....			
59	Arvada Electric Co.....	D.....	Arvada, Griffith, and Ralston.			
60	Arapahoe Electric Light & Power Co.....	D.....	Littleton, Petersburg, Englewood, Logue, Sheridan.			
61	Mutual Electric Light & Power Co.....	GD.....	Alamosa.....	Alamosa.....	Alamosa.....	
62	Redlands Irrigating & Power Co.....	GD.....	Grand Junction.....	Grand Junction.....	T. 1 S., R. 1 W., Ute P. M.	Grand.....
63	Rico Mining Co.....	GD.....	Rico.....	Rico.....	T. 40 N., R. 11 W., N. M. M.	Dolores.....
64	Rifle Light, Heat & Power Co.....	GD.....	Rifle.....	Rifle.....	S. 9, T. 65 S., R. 93 W., 6 P. M.	Rifle Creek.....
65	Roaring Fork Electric Light & Power Co., The...	GD.....	Appen.....	Castle Creek.....	T. 10 S., R. 84 W., 6 P. M.	Maroon Castle and Hunter.
66	Roberts, J. G.....				S. 36, T. 3 S., R. 73 W., 6 P. M.	
67	Shunm Light & Power Co.....	GD.....		Gypsum.....	S. 4, T. 6 S., R. 85 W., 6 P. M.	Gypsum.....
68	Steamboat Service Co.....	GD.....	Steamboat Springs.....	Steamboat Springs.....	Steamboat Springs.....	
69	Sterling Consolidated Electric Co.....	GD.....	Sterling.....	Sterling.....	Sterling.....	
70	United Gas & Electric Corporation of Connecticut.	H.....				
70	Colorado Springs Light, Heat & Power Co.....	GTD.....	Colorado Springs, Colorado City, Ramona, and Manitou.	Pikes Peak.....	S. 6, T. 14 S., R. 67 W., 6 P. M.	Colorado Springs.....
71	Do.....	GTD.....	do.....	Colorado Springs.....	Colorado Springs.....	
72	Citizens Light, Heat & Power Co.....	D.....	Colorado Springs.....			
73	United Hydro-Electric Co.....	H.....				
73	Green & Clear Lakes Co.....	GTD.....	Georgetown and vicinity.....	Georgetown.....	T. 5 S., R. 74 W., 6 P. M.	South Clear.....
74	Utah Securities Corporation: Western Colorado Power Co.....	GTD.....	Southwestern Colorado.....	Ames (new).....	T. 42 N., R. 10 W., N. M. M.	San Miguel.....
75	Do.....	GTD.....	do.....	Ames (old).....		do.....
76	Do.....	GTD.....	do.....	Illium.....	T. 42 N., R. 9 W., N. M. M.	do.....
77	Do.....	GTD.....	do.....	Rockwood.....	T. 38 N., R. 8 W., N. M. M.	Cascades and Elbert.....
78	Do.....	GTD.....	do.....	Ouray.....	T. 44 N., R. 7 W., N. M. M.	Uncompahgre.....
79	Do.....	GTD.....	do.....	Delta.....	Delta.....	
80	Do.....	GTD.....	do.....	Montrose.....	Montrose.....	
81	Do.....	GTD.....	do.....	Durango.....	Durango.....	
82	Ouray Electric Light & Power Co.....	GD.....	Ouray.....	Ouray.....	Ouray.....	
83	Western Light & Power Co.....	GD.....	Northern Colorado.....	Lafayette.....	Lafayette.....	

B.—MUNICIPAL PLANTS.

84		GD.....	Del Norte.....	Del Norte.....	Del Norte.....	
85		GD.....	Fort Morgan.....	Fort Morgan.....	Fort Morgan.....	
86		GD.....	Gunnison.....	Gunnison.....	Gunnison.....	
87		GD.....	Holly.....	Holly.....	Holly.....	
88		GD.....	Holyoke.....	Holyoke.....	Holyoke.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## COLORADO—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
33	Private.....		6,800	10,670		2,025				M. Mc. O.
34	Do.....					4,000				M. Mc. O.
35	Do.....					4,300	\$0.125-\$0.05	\$0.04-\$0.015		M. Mc. O.
36			100	40		25				Mc.
37	Forest.....	450				200			The Colorado Power Co.....	Mc. O.
38							.16		United Hy. Electric Co.....	C. M. Mc.
39									Denver Gas & Electric Light Co.	C. Mc.
40	Private.....		1,360	1,180		950	.125-.06	.10-.14	The Redlands Irrigating & Power Co.	C. M. Mc.
41			50	48		30				Mc.
42			80	80		50	.10			C. Mc.
43	Private.....						.12	.08-.03	Arkansas Valley Railway, Light & Power Co.	C. Mc.
44			200	300		175	.125			C. Mc.
45		90				150				Mc. O. SE.
46									Western Light & Power Co.....	Mc. O. SE.
47	Private.....		100	85		50	.15			Mc. O.
48	Do.....		300	375		335				Mc.
49	Do.....		300	235		175				Mc.
50										O.
51	Private.....		30	50		30	.15			Mc.
52	Do.....	40	50	50		40	.125			C. Mc.
53					10	7½				Mc.
54	Private.....	145	200	125		150	.16-.08	.04-.02		C.
55			300	233		200				C. Mc.
56			130	75		55				Mc.
57		300				100				Mc.
58							.15		Western Light & Power Co.....	C. M. Mc.
59									Denver Gas & Electric Light Co.	C. M. Mc.
60							.12		do.....	C. M. Mc.
61			400	650		415				M. Mc.
62		1,800				900	.125			Mc. O. SE.
63	Forest.....	300	350	250		165				Mc. O.
64	Private.....	200				150	.12-.06	.06-\$0.015		C. Mc. O.
65	Forest.....	3,600				2,000	.10	a 37.50		SE.
66										O.
67	Forest.....	175				75				C. Mc. O.
68	Private.....		250	200		150	.15-.10			C. Mc.
69			700	400		225				Mc.
70	Forest.....	4,750				2,250				C. M. O.
71			4,382	6,460		4,700				SE.
72									Colorado Springs Light, Heat & Power Co.	M. Mc.
73	Forest.....	1,700	844	1,120		1,300	.105		Colorado Power Co.....	C. M. Mc.
74	Do.....	6,160				3,600				O.
75		1,870				1,200				M. Mc. O.
76	Forest.....	1,600				1,200				SE.
77	Do.....	8,000				4,500				M. Mc. O.
78	Do.....	1,000				450				SE.
79			170	150		150				M. Mc.
80			450	510		300				M. Mc.
81			400	820		450				M. Mc. O.
82			125	100		(60)				
83			4,200	10,670		8,000				Mc.
Total, A.....		82,925	50,852	80,353	130	103,455				

## B.—MUNICIPAL PLANTS.

84	Private.....	125	160		50	\$0.175			Mc. O.
85		587	435		475	\$0.12-.05			Mc. O.
86		375	375		225				C. M. O.
87	Private.....	200	165		150	.15-.09			Mc. O.
88	Do.....	150	90		42	.125			C. Mc.

a Horsepower year.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
**COLORADO**—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
89		GD.	Hugo.	Hugo.	Hugo.	
90		GD.	Julesburg.	Julesburg.		
91		GD.	Longmont.	Longmont.	T. 3 N., R. 69 W., 6 P. M.	North St. Vrain.
92		GD.	Paonia.	Paonia.	Paonia.	
93		GD.	Silverton.	Silverton.	Silverton.	

## C.—ALL OTHER PLANTS.

94	American Smelting & Refining Co. Garfield Smelting Co.	H. Mg.	Mining.		T. 40 N., R. 7 W., N. M. M.	Las Animas and Arasha.
95	Brant Independent Mining Co.	Mg.	do.	Pitkin.	Pitkin.	Swartz.
96	Colorado Fuel & Iron Co., The.		Manufacturing.	Pueblo.	Pueblo.	
97	Colorado Metals & Chemical Co.	Mg.		Bailey Mine.	T. 1 S., R. 73 W., 6 P. M.	North Boulder Creek.
98	Colorado Springs & Interurban Ry. Co.		Electric railway.	Colorado Springs.	Colorado Springs.	
99	Continental Mines Power & Reduction Co.	Mg.	Mining.			
100	Creede Triune Mines Co.		do.	Creede.	Creede.	
101	Crystal River Marble Co.	Mg.	Milling.	Yule Creek.	T. 12 S., R. 87 W., 6 P. M.	Yule.
102	Cuchara Lumber & Supply Co.				T. 31 S., R. 69 W., 6 P. M.	Cuchara.
103	Curtz Consolidated Mines Co. Morning Star Mining Co.	H. Mg.	Mining.		T. 42 N., R. 10 W., N. M. M.	Bills.
104	Denver & Northwestern Railway Co., The.	H.		Denver.	Denver.	
105	Denver Tramway Co.		Electric railway.	Pagosa Springs.	Pagosa Springs.	
106	Denver & Rio Grande Railway Co.			Dixon Mill.	T. 2 N., R. 69 W., 6 P. M.	St. Vrain.
107	Dixon Mill.	Mg.	Milling.		S. 13, T. 6 S., R. 81 W., 6 P. M.	Fall.
108	Eagle Mining & Milling Co.	Mg.	Mining.		T. 6 S., R. 82 W., 6 P. M.	East Lake.
109	East Lake Mining & Milling Co.	Mg.	do.		T. 3 S., R. 73 W., 6 P. M.	Fall.
110	Fall River Power Co.	Mlg.	Milling.		T. 7 N., R. 69 W., 6 P. M.	Cache and La Poudre.
111	Fort Collins Mill & Elevator Co.	Irr.	Irrigation.	Morris Pump Station.	T. 6 S., R. 94 W., 6 P. M.	
112	Grand Valley Irrigating District.			Eldora.	T. 7 N., R. 61 W., 6 P. M.	Cache and La Poudre.
113	Highland Power Co.	Mlg.	Milling.		T. 44 N., R. 5 W., N. M. M.	Nellie.
114	Hoffman Milling Co.	Mg.	Mining.		T. 4 S., R. 90 W., 6 P. M.	East Elk.
115	Indiana-Colorado Mining & Milling Co.	Mlg.	Sawmill.		T. 4 N., R. 55 W., 6 P. M.	Platte.
116	Kamm, J. F.	Irr.	Irrigation.		T. 11 S., R. 81 W., 6 P. M.	Willis.
117	Lower Platte & Beaver Ditch Co.	Mg.	do.	Fairview.	S. 30-31, T. 4 S., R. 85 W.	
118	Manhattan Mining & Milling Co.	Mg.	do.	Montrose.	Montrose.	
119	Marion Mines & Mills Co.		Flour mill.	Sugar City.	Sugar City.	
120	Moffat Coal Co.		Sugar factory.			
121	Montrose Flour Milling Co.			Henson Creek.	T. 23 S., R. 5 W., N. M. M.	Henson Creek.
122	National Sugar Manufacturing Co.	H.	Mining and milling.		T. 1 S., R. 2 E., Ute P. M.	
123	Nevada Wonder Mining Co.	Mg.		Canon City.	Canon City.	
124	Hidden Treasure Mining Co.			Left Hand.	T. 1 N., R. 72 W., 6 P. M.	Left Hand Creek.
125	Orchard Mesa Irrigating District.	Irr.	Irrigation.	Prussian Mill.	do.	do.
126	Peerless Flour Mills.	Mlg.	Flour mills.		S. 20, T. 7 N., R. 73 W., 6 P. M.	Cascade.
127	Prince Arthur Mining & Milling Co.	Mg.	Milling.	Ridge Mill.	S. 18, T. 42 N., R. 1 E., N. M. M.	
128	Do.			San Luis.	San Luis.	
129	Ramsay, Hugh B.	Mlg.	Sawmill.	Sloss.	Sloss.	
130	Ridge Mexico Mining Co.	Mg.	Mining.		T. 6 N., R. 84 W., 6 P. M.	Yampa.
131	San Luis Flour Mill.	Mlg.	Flour mill.		T. 12 S., R. 85 W., 6 P. M.	Montezuma.
132	Sloss, S. P.				S. 11, T. 43 N., R. 8 W., N. M. M.	Canon.
133	Steamboat Milling Co.	Mlg.	Milling.	St. Elmo.	T. 15 S., R. 80 W., 6 P. M.	Chalk.
134	Tam O'Shanter-Montezuma Mining & Development Co.	Mg.	Mining.	South Fork Clear Creek.	T. 4 S., R. 74 W., 6 P. M.	South Fork Clear Creek.
135	Thistle, M. L.			Dorchester.	T. 12 S., R. 83 W., 6 P. M.	Tellurium.
136	Tin Cup Gold Dredging Co.	Mg.	do.	Livingstone Mine.	T. 1 N., R. 72 W., 6 P. M.	
137	Two American Sisters Mining Co.	Mg.	do.		T. 2 N., R. 72 W., 6 P. M.	Jim Creek.
138	United Colorado Mines Co.	Mg.	do.		T. 1 N., R. 72 W., 6 P. M.	Left Hand Creek.
139	United States Gold Corporation.				do.	
140	White Diamond Mill.	Mlg.	Milling.	Middle Boulder Creek.	Wray.	Middle Boulder Creek.
141	White Raven Mine.	Mlg.	Mining.			
142	Wolf Tongue Mining Co.					
143	Wray Flour Mill.					



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## COLORADO—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
89			(200)	200		145				O.
90		175	200	300		225	\$0.11-\$5.05			Mc.
91		800	375	300		500				O. Mc. S.
92			200	300		175				O.
93			450	450		330				C. Mc.
	Total, B.....	975	2,862	2,775		2,317				Mc.

## C.—ALL OTHER PLANTS.

94				800		600				C.
95		330				300				C.
96						3,075				C.
97										O. SE.
98	Private.....		1,400	2,700		1,825				C. M. Mc.
99	Forest.....	720								O.
100			(200)	(330)		200				C.
101		425				300				O.
102	Forest.....	50								O. SE.
103	Do.....	125				Water plant				C. O.
104	Private.....		9,613	13,800		9,500			Colorado Power Co.....	C. M.
105			(40)	60		40				C.
106		30				100				O. SE.
107	Forest.....	125	300	100						C. O.
108	Do.....	40								O.
109	Do.....	(1,000)				600				C. O.
110		149		100		Water plant				C. O. SE.
111		280				Water plant				O. SE.
112		70				65				C. Mc.
113		46		40						O. SE.
114	Forest.....	250								O.
115	Do.....	30				Water plant				C. O.
116		60				Water plant				O. SE.
117	Forest.....	50				50				C. O.
118	do.....	300				270				Mc.
119			350	345		350				O.
120	Private.....	50							Clark & Holet Mill Co.....	C.
121			2,700	465		64			Ordway Light & Power Co.....	C.
122		321				120				O. SE.
123		2,250				Water plant				O. SE.
124		100								C.
125		100				Water plant				O. SE.
126		125				Water plant				O. SE.
127	Forest.....	18								O. C.
128	Do.....	(100)				Water plant				O.
129		54							Colm & Salagar.....	C.
130						3				C.
131	Government.....	25				Water plant				C. O. SE.
132	Forest.....	140								C. O.
133	Do.....	125				175				C. O.
134	Do.....	335				200				C. O.
135										O.
136	Forest.....	300								O.
137										S. E. O.
138		70				Water plant				O. SE.
139		50				Water plant				O. SE.
140		100				100				O. SE. SE.
141		60								C.
	Total, C.....	8,403	11,603	18,780		17,937				
	Grand total.....	92,303	68,317	101,908	130	123,709				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
CONNECTICUT.

## A.—PUBLIC UTILITY PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	Atlantic Power & Light Corporation..... Seymour Electric Light Co.....	II..... D.....	Seymour.....	Seymour.....		
2	United Electric Light & Water Co.....	D.....	Waterbury and vicinity.....	Waterbury.....		
3	Baltic Mills Co.....	GD.....	Baltic and Sprage.....	Baltic.....	Baltic.....	Shetucket River.....
4	Beacon Falls Rubber Shoe Co.....	GD.....		Beacon Falls.....		
5	Clinton Electric Light & Power Co.....			Clinton.....		
6	Colchester Electric Light Co.....	GD.....	Colchester.....	Colchester.....	Colchester.....	
7	Danbury & Bethel Street Ry. Co.....	GD.....	Danbury.....	Danbury.....	Danbury.....	
8	Danielson & Plainfield Gas & Electric Co.....	GD.....	Danielson, Plainfield, and vicinity.....	Plainfield.....	Plainfield.....	
9	Derby Gas Co.....	GD.....	Derby, Ansonia, and Shelton.....	Derby.....		
10	Doherty Operating Co.....	M.....				
11	Danbury & Bethel Gas & Electric Light Co.....	GD.....	Danbury and Bethel.....	Danbury.....	Danbury.....	
11	East Haddam Electric Light Co., The.....	GD.....	Haddam, Hampton, and vicinity.....	Leesville.....		Salmon River.....
12	Essex Light & Power Co.....	D.....		Essex.....		
13	Hartford Electric Light Co., The.....	GTD.....	Hartford, Rocky Hill, Tariffville, Windsor, and Weathersford.....	Dutch Point.....	Dutch Point.....	
14	Do.....		do.....	Tariffville.....	Granby.....	Farmington River.....
15	(Lessor, Farmington River Power Co.).....	L.....		Poquonock.....	Poquonock.....	do.....
16	House, H. A., Light Plant.....	GD.....	Long Hill.....	Long Hill.....		
17	Litchfield Electric Light & Power Co.....	GD.....	Litchfield, Bantam, and Washington.....	Litchfield.....		
18	Lyme Electric Power Co.....	D.....	Lyme and vicinity.....	Lyme.....		
19	Meriden Electric Light Co.....	GD.....	Meriden.....	Meriden.....	Meriden.....	
20	New Milford Electric Light Co.....	D.....	New Milford.....	New Milford.....		
21	New York, New Haven & Hartford R. R. Co.....	II.....				
21	Housatonic Power Co.....	GTD.....	Waterbury, Norwalk, Branford, New Britain, Greenwich, New Milford, and vicinity.....	Branford.....	Branford.....	
22	Do.....			Bulls Bridge.....	New Milford.....	Housatonic River.....
23	Do.....			South Norwalk.....		
24	Do.....			Waterbury.....		
25	United Electric Light & Water Co.....	D.....		Westport.....	Westport.....	Saugatuck River.....
26	Westport Water Co.....	GD.....		Westport.....	Westport.....	
27	Northern Connecticut Light & Power Co.....	GD.....	Windsor Locks and vicinity.....	Windsor Locks.....	Windsor Locks.....	Connecticut River.....
28	Ousatonic Water Power Co.....		Derby.....	Derby.....		Housatonic River.....
29	Do.....		Shelton.....	Shelton.....		do.....
30	Ponemah Mills.....			Ponemah Mills.....	Norwich.....	Shetucket River.....
31	Peoples Light & Power Co.....			Danielson.....		
32	Putnam Light & Power Co.....	GD.....	Putnam and vicinity.....	Putnam.....		
33	Ridgefield Electric Co., The.....	GD.....	Ridgefield.....	Ridgefield.....	Ridgefield.....	
34	Rockville-Willimantic Lighting Co.....	GD.....	Rockville, Coventry, Stafford Springs, Crystal Lake, Lebanon, Tolland, Mansfield, and Windham.....	Rockville.....	Rockville.....	
35	Do.....			Stafford Springs.....		
36	Do.....			Willimantic.....		
37	Shore Line Electric Ry. Co.....	GD.....		Saybrook.....	Saybrook.....	
38	Do.....			Thamesville.....	Thamesville.....	
39	Simsbury Electric Co.....	D.....	Simsbury.....	Simsbury.....		
40	South Manchester Light, Power & Tramway Co.....	D.....	Manchester.....	Manchester.....		
41	Stamford Gas & Electric Co.....	GD.....	Stamford, Darien, Glenbrook, and vicinity.....	Stamford.....	Stamford.....	
42	Stone & Webster, Mgt. Association.....	M.....				
42	Connecticut Power Co.....	GTD.....	Northwestern.....	Canaan.....	North Canaan.....	Housatonic River.....
43	Do.....			Falls Village.....	Canaan.....	do.....
44	Do.....		Connecticut.....	Middletown.....	Middletown.....	
45	Do.....			New London.....		
46	(Lessor, Thomaston Electric Light Co.).....	L.....		Thomaston.....		
47	Tenney, C. H., & Co.....	M.....				
47	Bristol & Plainville Tramway Co.....	GTD.....	Bristol and vicinity.....	Bristol.....	Bristol.....	
48	Torrington Electric Light Co.....	GD.....	Torrington.....	Torrington.....	Torrington.....	
49	Totokett Manufacturing Co.....	GD.....	Versailles.....	Versailles.....	Norwich.....	Shetucket River.....
50	Uncas Power Co., The.....	GTD.....	Norwich.....	Scotland.....	Scotland.....	do.....
51	Union Electric Light & Power Co., The.....	GD.....	Hartford County.....	Unionville.....	Unionville.....	Farmington River.....
52	United Illuminating Co.....	GD.....	Bridgeport, Stratford, Fairfield, Milford, New Haven, Orange, and vicinity.....	Bridgeport.....	Bridgeport.....	
53	Do.....			New Haven.....	New Haven.....	
54	Westerly Light & Power Co.....	HGTD.....				
54	Mystic Power Co.....	D.....	Mystic, Noank, and Stonington.....	Mystic.....		
55	Winsted Gas Co.....	GD.....		Winsted.....		
56	Woodbury Electric Co.....	GD.....	Woodbury.....	Woodbury.....		



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## CONNECTICUT.

## A.—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
1									United Electric Light & Water Co.	Mc. P.
2									Housatonic Power Co.	Mc.
3	Private.....	2,300	1,000	850		300				Mc. P.
4						155	\$0.15			Mc. P.
5										
6										P.
7			100	75	60	75				Mc. P.
8			1,100 (600)	1,720 800		750 600				M. Mc.
9		1,000	1,800	3,567		2,850				Mc. P.
10										Mc. O. M. P.
11	Private.....	200	1,300	2,733		2,050 175				M.
12									Hartford Electric Light Co.	Mc. P. C.
13			8,300	20,670		15,500	.09	\$0.045	Shore Line Electric Ry. Co.	P.
14		2,000				1,500				M. Mc.
15		1,600				1,200				M. O. Mc.
16										P. C.
17		800	1,000	900		10 900				M. O. Mc.
18										P. C.
19			1,900	5,550		3,650	.14		Connecticut Power Co.	Mc.
20									Housatonic Power Co.	M. Mc.
21			700	775		485				Mc. P.
22		8,000				7,500	.015	.015		Mc. M. C.
23						1,000				P.
24						10,000				P.
25									Housatonic Power Co.	Mc.
26	Private.....	50	100	100		150	\$0.12 - .085	\$0.10 - .025	do.	Mc. M. C.
27	Do.....	200	450	750		655	.125- .09	.09 - .02	Amherst Power Co.	Mc. O. M.
28										P. C.
29		3,400								M. O.
30	Private.....	2,500	3,375	3,304	15	1,882	.10			O. C.
31			(250)	(450)		270				P.
32		600	1,275	1,285		1,000				Mc. P.
33			250	375		275				Mc. P.
34			300	250		150			Uncas Power Co.	Mc. P.
35		125	150	125		75				Mc. M. P.
36			550	870		650				Mc. P.
37			1,950	5,780		5,000				M. Mc.
38			1,190	1,000		1,635				Mc.
39									Hartford Electric Light Co.	Mc. P.
40							.117- .09	.058- .036	do.	C. P.
41			2,172	6,080		4,500	.12 - .09			M. Mc. P.
42	Private.....	1,000	400	400		600	.17 - .12	.055- .02		M. Mc. O.
43	Do.....	15,000						.02 - .01		P. C.
44			1,600	3,330		2,250				Mc. M. O.
45			1,700	2,650		2,295				C. P.
46			250	125		100				P.
47										Mc. P.
48			1,500	1,500		1,500			Connecticut Power Co.	Mc.
49			2,000	2,000		1,725				M. Mc. P.
50		700	500	700		115				Mc. C.
51		2,000				1,200	.01	.01		Mc. M. P. C.
52	Private.....	350	300	360		400	.12 - .09	.075- .02	Hartford Electric Light Co.	C. Mc. P.
			5,000	(16,700)		10,000				M. Mc. P.
53			6,600	14,500		10,500				M. Mc.
54										M. P.
55			267	(750)		450		.13	Westerly Light & Power Co.	Mc. P.
56		85	100	75		62		.13		Mc. P. C.
Total, A.....		41,910	50,529	101,099	75	104,689				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
CONNECTICUT—Continued.

B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
57	.....	D.....	East Norwalk.....	East Norwalk.....	.....	.....
58	.....	GD.....	Groton and Poquonock.....	Groton.....	Groton.....	.....
59	.....	D.....	Jewett City.....	Jewett City.....	Jewett City.....	.....
60	.....	GD.....	Norwich and Greenville.....	Norwich.....	Norwich.....	.....
61	.....	GD.....	South Norwalk.....	South Norwalk.....	South Norwalk.....	.....
62	.....	GD.....	Wallingford.....	Wallingford.....	Wallingford.....	.....

C.—ALL OTHER PLANTS.

63	Hartford & Springfield Street Ry. Co.....	G.....	Electric railway.....	Warehouse Point.....	Warehouse Point.....	.....
64	New York, New Haven & Hartford R. R. Co.....	H.....	.....	Berlin.....	Berlin.....	.....
65	Connecticut Co., The.....	G.....	do.....	Bridgeport.....	Bridgeport.....	.....
66	Do.....	.....	do.....	Burrville.....	Burrville.....	.....
67	Do.....	.....	do.....	Hartford.....	Hartford.....	.....
68	Do.....	.....	do.....	New Haven, No. A.....	New Haven.....	.....
69	Do.....	.....	do.....	New Haven, No. B.....	.....	.....
70	Do.....	.....	do.....	New Haven, No. C.....	New Haven.....	.....
71	Norwich & Westerly Traction Co.....	HG.....	Electric Railway.....	Hallville.....	Hallville.....	.....
72	Groton & Stonington Street Ry. Co.....	G.....	do.....	Mystic.....	Mystic.....	.....

DELAWARE.

A.—PUBLIC UTILITY PLANTS.

1	American Power Co.....	GD.....	Delaware City.....	Delaware City.....	Delaware City.....	.....
2	Delaware Water Improvement Co.....	D.....	New Castle.....	New Castle.....	New Castle.....	.....
3	Georgetown Light, Heat & Power Co.....	GD.....	Georgetown and Milton.....	Georgetown.....	Georgetown.....	.....
4	Milton Light, Power & Water Co.....	GD.....	Milton.....	Milton.....	Milton.....	.....
5	National Properties Co.....	H.....	.....	.....	.....	.....
6	Wilmington & Philadelphia Traction Co.....	GTD.....	Points in Delaware.....	Chester.....	Chester.....	.....
7	Do.....	.....	Pennsylvania and Maryland.....	Wilmington.....	Wilmington.....	.....
8	Phoenix Co. (The).....	D.....	Harrington.....	Harrington.....	.....	.....
9	Sussex Light & Power Co.....	GD.....	Laurel and vicinity.....	Laurel.....	Laurel.....	.....
10	Truitt, W. S., Electric Light Plant.....	GD.....	Rehoboth.....	Rehoboth.....	Rehoboth.....	.....

B.—MUNICIPAL PLANTS.

11	.....	GD.....	Dover.....	Dover.....	Dover.....	.....
12	.....	GD.....	Lewes.....	Lewes.....	Lewes.....	.....
13	.....	GD.....	Middletown.....	Middletown.....	Middletown.....	.....
14	.....	GD.....	Milford.....	Milford.....	Milford.....	.....
15	.....	GD.....	Newark.....	Newark.....	Newark.....	.....
16	.....	GD.....	Smyrna.....	Smyrna.....	Smyrna.....	.....

DISTRICT OF COLUMBIA.

A.—PUBLIC UTILITY PLANTS.

1	Capitol Traction Co.....	GT.....	.....	Wisconsin Avenue.....	Washington.....	.....
2	Washington Railway & Electric Co.....	H.....	.....	.....	.....	.....
3	Potomac Electric Power Co.....	GTD.....	District and vicinity.....	Fourteenth and B Streets.....	do.....	.....
	Do.....	.....	.....	Benning Road.....	do.....	.....

C.—ALL OTHER PLANTS.

4	Washington-Virginia Ry. Co.....	.....	Electric railway.....	.....	Washington.....	.....
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## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## CONNECTICUT—Continued.

## B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
57										
58			600	3,220	80	1,575				Mc.
59										Mc.
									Danielson & Plainfield Gas & Electric Co.	Mc.
60			1,157	4,630		3,390				Mc.
61			500	655	675	885				Mc.
62			700	1,630		600				Mc.
	Total, B.....		2,957	10,135	755	6,450				

## C.—ALL OTHER PLANTS.

63			1,000	1,800		1,100				M. Mc.
64			1,500	3,000		1,700				Mc.
65			3,500	5,830		3,800				Mc.
66			500	500		350				Mc.
67			5,100	13,570		5,730				Mc.
68			6,200	9,950		6,850				Mc.
69										
70			1,000	1,550		1,075				Mc.
71			1,250	1,500		1,200				M. Mc.
72			606	970		650				M. Mc.
	Total, C.....		20,656	38,670		22,455				
	Grand total.....	41,910	74,142	149,904	830	133,594				

## DELAWARE.

## A.—PUBLIC UTILITY PLANTS.

1					250	165			Wilmington & Philadelphia Traction Co.	Mc.
2									do.	Mc.
3			150	175		120				Mc.
4		54	120	(200)		(125)				Mc.
5			8,400	14,800		10,700			Delaware County Electric Co.	Mc. M.
6										Mc.
7									Wilmington & Philadelphia Traction Co.	Mc. M.
8										
9			450	950		500				Mc.
10			165	175		115				Mc.
	Total, A.....	54	9,285	16,300	250	11,725				

## B.—MUNICIPAL PLANTS.

11			350	370		450				Mc.
12			200	230		180				Mc.
13			200	210		160				Mc.
14			700	400		200				Mc.
15			200	150		100			Wilmington & Philadelphia Traction Co.	Mc.
16			250	175		110				Mc.
	Total, B.....		1,900	1,535		1,200				
	Grand total.....	54	11,185	17,835	250	12,925				

## DISTRICT OF COLUMBIA.

## A.—PUBLIC UTILITY PLANTS.

1			8,800	16,870		13,100				M. Mc.
2			11,764	47,000		37,000				M. Mc.
3			4,950	6,800		4,850				M. Mc.
	Total, A.....		25,514	70,670		54,950				

## C.—ALL OTHER PLANTS.

4			2,300	4,170		3,000				Mc. M.
	Total, C.....		2,300	4,170		3,000				
	Grand total.....		27,814	74,840		57,950				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## FLORIDA.

## A.—PUBLIC UTILITY PLANT.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	Appalachicola Electric Light & Telephone Co.	GD.	Appalachicola.	Appalachicola.	Appalachicola.	
2	Atlantic Land & Improvement Co.	GD.	Port Tampa.	Port Tampa.	Port Tampa.	
3	Bagdad Land & Lumber Co.	GD.	Bagdad.	Bagdad.	Bagdad.	
4	Bunnell Light & Water Co.	D.	Bunnell.	Bunnell.	Bunnell.	
5	Central Florida Ry. Co.	GD.	Daytona.	Daytona.	Daytona.	
6	Chipley Light & Power Co.	GD.	Chipley.	Chipley.	Chipley.	
7	Clearwater Ice Factory.	GD.	Clearwater, Dunedin, and Largo.	Clearwater.	Clearwater.	
8	Dade City Ice, Light & Power Co.	GD.	Dade City.	Dade City.	Dade City.	
9	Davenport Light & Ice Co.	GD.	Davenport.	Davenport.	Davenport.	
10	Eustis Water, Light & Power Co.	GD.	Eustis, Tavares, and Umatilla.	Eustis.	Eustis.	
11	Florida Power Co.	GTD.	Inverness, Dunnellon, Floral City.	Camp Station.		Withlacoochee River.
12	Fort Meade Electric Co.	D.	Fort Meade.	Fort Meade.	Fort Meade.	
13	General Utilities & Operating Co. St. Petersburg Lighting Co.	H. GD.	St. Petersburg, Gulfport, Davista.	St. Petersburg.	St. Petersburg.	
14	Goodno, E. E., Electric Light & Ice Plant.	GD.	Labelle and Fort Thompson.	Labelle.	Fort Thompson.	
15	Jasper Water & Light Co.	GD.	Jasper.	Jasper.	Jasper.	
16	Lake Worth Light, Water & Ice Co.	GD.	Lake Worth.	Lake Worth.	Lake Worth.	
17	Leesburg Ice Co.	GD.	Leesburg.	Leesburg.	Leesburg.	
18	Massachusetts Lighting Cos. Daytona Public Service Co.	H. GD.	Daytona, Seabreeze, Daytona Beach.	Daytona.	Daytona.	
19	Miami Electric Light & Power Co.	GD.	Miami, Buena Vista, and Little River.	Miami.	Miami.	
20	Mulberry Electric Co.	D.	Mulberry.	Mulberry.	Mulberry.	
21	Orlando Water & Light Co.	GD.	Orlando, Maitland, Winter Park.	Orlando.	Orlando.	
22	Palatka Gas Light & Fuel Co.	GD.	Palatka.	Palatka.	Palatka.	
23	Perry Electric Co.	GD.	Perry.	Perry.	Perry.	
24	Plant City Ice & Power Co.	GD.	Plant City.	Plant City.	Plant City.	
25	St. Andrews Ice & Power Co.	GD.	St. Andrews.	St. Andrews.	St. Andrews.	
26	St. Johns Electric Co.	GD.	St. Augustine, Anastasia, and New Augustine.	St. Augustine.	St. Augustine.	
27	Sarasota Ice & Electric Co.	GD.	Sarasota.	Sarasota.	Sarasota.	
28	Stetson, J. B., estate Deland Electric Light, Power & Ice Co.	H. GD.	De Land and Stetson.	De Land.	De Land.	
29	Stone & Webster.	M.				
30	Jacksonville Traction Co.	GTD.	Jacksonville.	Jacksonville.	Jacksonville.	
31	Key West Electric Co.	GTD.	Key West.	Key West.	Key West.	
32	Pensacola Electric Co.	GTD.	Fort Barancas, Goulding, and Pensacola.	Pensacola.	Pensacola.	
33	Tampa Electric Co.	GTD.	Tampa and West Tampa.	Tampa.	S. 24, T. 29 S., R. 19 E.	Hillsboro River.
34	Titusville Electric Light Co.	GD.	Titusville.	Titusville.	Titusville.	
35	White, J. G., & Co. (Inc.) Arcadia Ice & Electric Co.	H. GD.	Arcadia.	Arcadia.	Arcadia.	
36	Ariston Ice & Electric Co.	GD.	West Palm Beach and Palm Beach.	West Palm Beach.	West Palm Beach.	
37	Fort Lauderdale Ice & Electric Co.	GD.	Fort Lauderdale.	Fort Lauderdale.	Fort Lauderdale.	
38	Fort Myers Ice & Electric Co.	GD.	Fort Myers.	Fort Myers.	Fort Myers.	
39	Live Oak Ice & Electric Co.	GD.	Live Oak.	Live Oak.	Live Oak.	
40	Manatee Electric Co.	GD.	Bradentown, Manatee, and Palmetto.	Bradentown.	Bradentown.	
41	Sanford Light & Fuel Co.	GD.	Sanford.	Sanford.	Sanford.	
42	Tarpon Springs Ice & Electric Co.	GD.	Tarpon Springs.	Tarpon Springs.	Tarpon Springs.	
43	Winter Garden Light & Water Co.	GD.	Winter Garden and Oakland.	Winter Garden.	Winter Garden.	
44	Winterhaven Water, Ice & Light Co.	GD.	Lake Alfred and Winterhaven.	Winterhaven.	Winterhaven.	
45	Zephyrhills Electric Co.	GD.	Zephyrhills.	Zephyrhills.	Zephyrhills.	

## B.—MUNICIPAL PLANTS.

45		GD.	Bartow.	Bartow.	Bartow.	
46		GD.	Fernandina.	Fernandina.	Fernandina.	
47		GD.	Gainesville.	Gainesville.	Gainesville.	
48		GD.	Jacksonville.	Jacksonville.	Jacksonville.	
49		GD.	Kissimmee.	Kissimmee.	Kissimmee.	
50		GD.	Lake City.	Lake City.	Lake City.	
51		GD.	Lake Helen and Ariel.	Lake Helen.	Lake Helen.	
52		GD.	Lakeland.	Lakeland.	Lakeland.	
53		GD.	Madison.	Madison.	Madison.	
54		GD.	Marianna.	Marianna.	Marianna.	
55		GD.	Milton.	Milton.	Milton.	
56		GD.	Ocala.	Ocala.	Ocala.	
57		GD.	Punta Gorda.	Punta Gorda.	Punta Gorda.	
58		GD.	Quincy.	Quincy.	Quincy.	
59		GD.	South Jacksonville.	South Jacksonville.	South Jacksonville.	
60		GD.	Starke.	Starke.	Starke.	
61		GD.	Tallahassee.	Tallahassee.	Tallahassee.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## FLORIDA.

## A.—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
1	Private.....		225	225		255				Mc.
2	Do.....		400	300		150	\$0.10			Mc. C.
3	Do.....		1,600	1,320		1,000				M. Mc. C.
4										Mc.
5					200	100	.10	\$0.075		Mc. C.
6	Private.....		120	275		175	\$0.15 -.08	.07		Mc. C.
7	Do.....		425	500		348	.12 -.08	\$0.06 -.04		Mc. C.
8			100	60	80	105	.125-.10	.10 -.04		Mc. C.
9		30				35				Mc.
10			170	485		375	.15 -.07	.10 -.06		Mc. C.
11	Private.....	5,600				3,200	.03	.03		Mc. C.
12									General Phosphate Co.	Mc.
13	Private.....		1,500	2,000		1,500	.10 -.07	.05 -.03		Mc. C.
14	Do.....		250	60		56				Mc. C.
15			160	100		50	.15			Mc. C.
16	Private.....				65	40	.15 -.10	.10		Mc. C.
17			280	260		162½	.15 -.10	.10 -.06		Mc. C.
18	Private.....		750	970		595	.15	.106-.0715		Mc. C.
19			1,500	2,255		1,600				Mc.
20									Prairie Pebble Phosphate Co.	Mc.
21	Private.....		750	1,350		1,000	.11 -.06	.09 -.04		Mc. C.
22	Do.....		275	290		270	.10	.08 -.05		Mc. C.
23			275	275		150				Mc.
24			300	150	120	200	.125			Mc. C.
25	Private.....		200	250		240	.15	.055		Mc. C.
26			1,500	1,300		665				M. Mc.
27			500	75		60				Mc.
28			450	753		450	.10	.08 -.05		M. Mc.
29			1,250	3,000		2,700				M. Mc. C.
30	Private.....		600	450	675	840	.15 -.08	.10 -.05		Mc. C.
31	Do.....		1,600	3,740		2,300	.12 -.06	.10 -.025		M. Mc. C.
32	Private.....	1,400	500	750		690	.10 -.05			M. Mc. C.
33			(50)	60		(35)				Mc.
34			240	225		175				M. Mc.
35			700	550		660				M. Mc.
36			230	200		125				M. Mc.
37			500	1,002		350				M. Mc.
38			400	750		500				M. Mc.
39			500	700		260				M. Mc.
40	Private.....		380	475		435	.12 -.08	.09 -.06		M. Mc. C.
41			425	225		125				M. Mc.
42			150	180		125				Mc.
43	Private.....		200	125		75	.15	.15		Mc. C.
44					25	20	.15			Mc.
Total, A.....		7,030	19,253	25,685	1,165	23,361				

## B.—MUNICIPAL PLANTS.

45			300	210		175	\$0.08			Mc.
46			400	400		285	.08	\$0.08		Mc. C.
47			500	600		425				Mc.
48	Private.....		5,200	8,000		6,000	\$0.07-.02	\$0.04-.02		Mc. C.
49			180	180		(110)				Mc.
50			550	500		360				Mc.
51	Private.....			70		50			Buys steam	Mc. C.
52			300	450		275				Mc.
53			160	100		140				Mc.
54			200	200		175				Mc.
55	Private.....		125	75		50	.15-.075	.10-.05		Mc. C.
56			550	487		350				Mc.
57						50			Buys steam	Mc.
58			300	300		258	.125			Mc.
59	Private.....		300	250		285	.10-.05	.03		Mc. C.
60			250	225		150	.15-.10			Mc. C.
61	Private.....		500	650		650	.10-.055	.07-.05		Mc. C.
Total, B.....			9,815	12,697		9,628				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## FLORIDA—Continued.

## C.—ALL OTHER PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
62	Coronet Phosphate Co..... Coronet Mining Co.....	II..... G.....	Mining.....	Pembroke.....	T. 31 S., R. 25 E.....	

## GEORGIA.

## A.—PUBLIC UTILITY PLANTS.

1	Albany Power & Manufacturing Co.....	GD.....	Hardaway, Albany, and Leesburg.	Albany.....	Albany.....	Muckalee Creek.....
2	Americus Public Service Co.....	GD.....	Americus.....	Americus.....	Americus.....	
3	Brunswick Terminal & Railway Securities Co.....	H.....				
4	Mutual Light & Water Co.....	GD.....	Brunswick.....	Brunswick.....	Brunswick.....	
5	Byromville Manufacturing Co.....	GD.....	Byromville.....	Byromville.....	Byromville.....	
6	College Park Electric Light Co.....	D.....	College Park.....	College Park.....		
7	Dallas Light, Power & Water Co.....	D.....	Dallas.....	Dallas.....		
8	Darien Manufacturing Co.....	GD.....	Darien and Ridge.....	Darien.....	Darien.....	
9	Doherty Operating Co.....	M.....				
10	Athens Railway & Electric Co.....	GD.....	Athens.....	Athens.....	Athens.....	
11	Do.....	GD.....	do.....	Mitchell Bridge.....	Mitchell Bridge.....	Middle Oconee.....
12	Do.....	GD.....	do.....	Tallassee Falls.....	Tallassee Shoals.....	do.....
13	(Lessor, James White).....	L.....	do.....	Barnet Shoals.....	Barnet Shoals.....	Oconee River.....
14	Eastman Electric Light Co.....	GD.....	Eastman.....	Eastman.....	Eastman.....	
15	Franklin Light & Power Co.....	GD.....	Lavonia, Royston, Canon	Hartwell.....	Hartwell.....	
16	(Lessor, Shoal Creek Power Co.).....	L.....	Bowersville and Gainesville.	do.....	do.....	
17	Gainesville Railway & Power Co.....	GD.....		New Bridge.....	New Bridge.....	Chestatee River.....
18	Georgia Light, Power & Railways Company.....	H.....				
19	Central Georgia Power Co.....	GTD.....	Jackson, Macon, Forsyth.....	Lloyd Shoals.....	Lloyd Shoals.....	Ocmulgee River.....
20	Central Georgia Transmission Co.....	D.....	Macon.....	Macon.....		
21	Macon Railway & Light Co.....	GTD.....	do.....	do.....	Macon.....	
22	Georgia Railway & Power Co.....	HGTD..	Northwestern Georgia.....	Atlanta.....	Atlanta.....	
23	Do.....		do.....	do.....	do.....	
24	Do.....			Dunlap.....		Chattahoochee.....
25	Do.....			Morgan Falls.....	Morgan Falls.....	
26	Do.....			Tallulah Falls.....	Tallulah Falls.....	Tallulah River.....
27	Carrollton Electric Co.....	GD.....	Carrollton.....	Carrollton.....	Carrollton.....	
28	Suburban Gas & Electric Co.....	D.....	Decatur and Kirkwood.....	Decatur.....		
29	Harmony Grove Mills.....	GD.....	Commerce.....	Commerce.....	Commerce.....	
30	Home Light & Power Co.....	GD.....	Copper Hill, Tenn., and McCaysville, Ga.			Fightingtown Creek..
31	Kennesaw Paper Co.....	GD.....	Marietta.....	Marietta.....	Marietta.....	
32	Lawrenceville Manufacturing Co.....	GD.....	Lawrenceville.....	Lawrenceville.....	Lawrenceville.....	
33	Lee, Newton & Rosser.....	GD.....				
34	(Lessor, M. K. Word).....	L.....	Hogansville.....	Hogansville.....	Hogansville.....	
35	Lumber City Light & Power Co.....	D.....	Lumber City.....	Lumber City.....		
36	McCrary, J. B.....	GD.....				
37	(Lessor, Abbeville Light & Power Co.).....	L.....	Abbeville.....	Abbeville.....	Abbeville.....	
38	Montezuma Light & Power Co.....	GD.....	Montezuma.....	Montezuma.....	Montezuma.....	
39	Municipal Service Co.....	H.....				
40	Valdosta Lighting Co.....	GD.....	Valdosta.....	Valdosta.....	Valdosta.....	
41	Oconee River Mills Co.....	GD.....	Milledgeville.....	Milledgeville.....		
42	Palmetto Light & Power Co.....	GD.....	Palmetto.....	Palmetto.....	Palmetto.....	North Fork Bear Creek
43	Panola Light & Power Co.....		Conyers and Lithonia.....	Conyers.....	Conyers.....	South River.....
44	Paulding County Power Co.....	GTD.....	Dallas.....	Dallas.....		
45	Pelham Public Utilities Co.....	GD.....	Pelham.....	Pelham.....	Pelham.....	
46	Putnam Mills & Power Co.....	GD.....	Eatonton.....	Eatonton.....		
47	Rome Railway & Light Co.....	GD.....	Rome.....	Rome.....	Rome.....	
48	Savannah Lighting Co.....		Savannah.....	Savannah.....	Savannah.....	
49	Senoia Electric Light & Power Co.....	GD.....	Senoia.....	Senoia.....	Senoia.....	
50	Smith, J. G., Electric Light Plant.....	GD.....	McDonough.....	McDonough.....	McDonough.....	
51	Southern Finance Corporation.....	H.....				
52	Wofford Shoals Light & Power Co.....	GD.....	Baldwin, Cornelia, Mount Airy Alto.	Baldwin.....	Near Cornelia.....	Nancyc town Creek.....
53	Stillmore Electric Light Co.....	GD.....	Stillmore.....	Stillmore.....	Stillmore.....	
54	Stone & Webster, Management Association.....	M.....				
55	Columbus Electric Co.....	TD.....	Columbus, West Point.....			
56	Columbus Power Co.....	GD.....				
57	Do.....	GTD.....	Hogansville, Grantsville, Trimble, Girard, Phoenix City, and Lanett.	Columbus, No. 4.....	Columbus.....	
58	Do.....			Goat Rock, No. 5.....	Near Columbus.....	
59	(Lessor, Columbus Railroad Co.).....	L.....		North Highland, No. 1.....	Bibb City.....	Chattahoochee River.
60	Savannah Electric Co.....	GTD.....	Savannah and Thunderbolt.	City Mills, No. 3.....	Columbus.....	do.....
61	(Lessor, Savannah Power Co.).....	L.....	Savannah.....	Indian Street.....	Savannah.....	
62	Toccoa Falls Light & Power Co.....	GD.....	Toccoa Falls.....	Toccoa.....	do.....	
63	Towaliga Falls Power Co.....	GTD.....	Griffin.....	Griffin.....		Towaliga River.....
64	Villa Rica Electric Light & Power Co.....	GD.....	Villa Rica.....	Villa Rica.....	Villa Rica.....	
65	Ware County Light & Power Co.....	GD.....	Waycross.....	Waycross.....	Waycross.....	
66	Water Power & Mining Co.....	GD.....	Dahlonega.....	Dahlonega.....		
67	West Point Manufacturing Co.....	GD.....	West Point and vicinity.....	West Point.....	Adjoining Longdale, Ala.	Chattahoochee River..
68	White, J. G., & Co. (Inc.).....	M.....				
69	Augusta-Aiken Railway & Electric Corporation.....	HGTD..	Augusta and north.....	Augusta.....		
70	Augusta Railway & Electric Co.....	GTD.....	Augusta, S. C.....	do.....		
71	Cordele Electric Co.....	GD.....	Cordele.....	Cordele.....	Cordele.....	
72	Georgia-Carolina Power Co.....	GT.....		Augusta.....		
73	Tifton Ice & Power Co.....	GD.....	Tifton.....	Tifton.....	Tifton.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## FLORIDA—Continued.

## C.—ALL OTHER PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
62	Private.....				1,150	937				C.
	Total, C.....				1,150	937				
	Grand total.....	7,030	29,070	38,382	2,315	33,926				

## GEORGIA.

## A.—PUBLIC UTILITY PLANTS.

1	Private.....	2,330	500	2,130		2,500	\$0.005	\$0.03 - \$0.015		M. O. C.
2	Do.....		1,000	1,000		750				M. C.
3	Do.....		600	625		470	.11	.07		C.
4			60	50		(45)				Mc.
5									City of East Point.....	Mc.
6									Paulding County Power Co.....	Mc.
7			250	(80)		50				Mc.
8	Private.....		1,500	2,000		1,500	.10	.05 - .006		M. Mc. C.
9	Do.....	867				650	.10	.05 - .006		M. Mc. C.
10	Do.....	1,200				900	.10	.05 - .006		M. Mc. C.
11	Do.....	3,733				2,800	.10	.05 - .006		M. Mc. C.
12			120	120		75				Mc.
13			330	500		369				Mc.
14		100								Mc.
15		1,500	300	387		900	.10 - .075	.07 - .02		M. Mc. C.
16		33,000				18,000				M. Mc. O.
17										Mc.
18			2,400	4,750		3,750			Central Georgia Power Co.....	M. Mc. O.
19										Mc. M.
20			15,555	33,295		21,500				Mc.
21						3,000			Central Georgia Power Co.....	M. Mc. O.
22		100,400				10,500			Tennessee Power Co. and Columbus Power Co.	M. C.
23						60,000			do.....	M. Mc.
24			275	425		325	.09	.06	Georgia Railway & Power Co.....	Mc. M.
25									do.....	Mc. M. C.
26			600	110		70				Mc.
27	Private.....	150				75	.10			C.
28			6,600	1,875		492				M. Mc.
29			100	90		(55)				Mc.
30			80	75		65				Mc.
31										Mc.
32			150	80		75				Mc.
33	Private.....		160	125		150	.125	.125		Mc. C.
34	Do.....		1,500	1,667		1,550	.10 - .05	.06 - .02		M. Mc. C.
35		150	500	450		400				Mc.
36	Private.....	50	(20)	18		50				Mc. C.
37	Do.....	300				215	.12 - .05	.05 - .015	Georgia Railway & Power Co.....	C.
38		300				275				Mc.
39			400	550		400				Mc.
40		450	250	290		250				Mc.
41		1,500	1,000	2,330		1,750			Georgia Railway & Power Co.....	M. Mc.
42	Private.....		2,250	9,600		8,050	.12 - .06	.04 - .0125		Mc. C.
43		100				(60)				Mc.
44	Private.....		118	160		100	.10			Mc. C.
45	Do.....	150				107½	.12 - .06	.06 - .0220		M. Mc. C.
46						17				Mc.
47									Columbus Power Co.....	M. Mc.
48			1,700	2,360		1,825				M. O. C.
49	Private.....	18,200				13,750		16.20 + .0075		M. Mc. O. C.
50	Do.....	10,150				6,900				Mc. O. C.
51	Do.....	1,076				1,000				C.
52			(1,300)	1,730		1,300				Mc. C.
53			2,600	14,700		11,000				Mc. C.
54		150				100	.10			M. Mc.
55		3,600	550	750		3,900				Mc. O.
56	Private.....		80	35		30	.125			Mc. C.
57			375	875		1,075				Mc.
58	Private.....	150				90				Mc. C.
59	Do.....	3,000	3,500	(5,000)		6,150	.0875	.0875	Columbus Power Co.....	M. C.
60		2,700	2,750	5,417		5,500				M. Mc.
61		2,500	1,700	2,000		6,675				Mc.
62	Private.....		300	500		300				Mc. C.
63		15,600				13,500				M. Mc.
64			400	425		275				Mc.
	Total, A.....	203,406	51,873	96,574		215,660				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## GEORGIA—Continued.

## B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
65		GD.	Aeworth.	Aeworth.	Aeworth.	
66		GD.	Adel.	Adel.	Adel.	
67		D.	Albany.	Albany.	Albany.	
68		GD.	Arlington.	Arlington.	Arlington.	
69		GD.	Ashburn.	Ashburn.	Ashburn.	
70		GD.	Bainbridge.	Bainbridge.	Bainbridge.	
71		GD.	Blakely.	Blakely.	Blakely.	
72		GD.	Blue Ridge.	Blue Ridge.	Blue Ridge.	Fightingtown Creek.
73		GD.	Boston.	Boston.	Boston.	
74		GD.	Bremen.	Bremen.	Bremen.	
75		GD.	Cairo.	Cairo.	Cairo.	
76		D.	Calhoun.	Calhoun.	Calhoun.	
77		GD.	Camilla.	Camilla.	Camilla.	
78		GD.	Canton.	Canton.	Canton.	
79		GD.	Cartersville.	Cartersville.	Cartersville.	
80		GD.	Cedartown.	Cedartown.	Cedartown.	
81		GD.	Claxton.	Claxton.	Claxton.	
82		GD.	Cochran.	Cochran.	Cochran.	
83		GD.	Covington and Oxford.	Covington.	Covington.	
84		GD.	Cuthbert.	Cuthbert.	Cuthbert.	
85		GD.	Dalton.	Dalton.	Dalton.	
86		GD.	Dawson.	Dawson.	Dawson.	
87		GD.	Doerun.	Doerun.	Doerun.	
88		GD.	Douglas.	Douglas.	Douglas.	
89		GD.	Douglasville.	Douglasville.	Douglasville.	
90		GD.	Dublin.	Dublin.	Dublin.	
91		D.	East Point, Hapeville, and College Park.	East Point.	East Point.	
92		GD.	Edison.	Edison.	Edison.	
93		GD.	Elberton.	Elberton.	Elberton.	
94		D.	Fairburn.	Fairburn.	Fairburn.	
95		GD.	Fitzgerald.	Fitzgerald.	Fitzgerald.	
96		GD.	Fort Valley.	Fort Valley.	Fort Valley.	
97		GD.	Griffin.	Griffin.	Griffin.	
98		GD.	Hawkinsville.	Hawkinsville.	Hawkinsville.	
99		GD.	Hazlehurst.	Hazlehurst.	Hazlehurst.	
100		D.	Jackson.	Jackson.	Jackson.	
101		D.	Jonesboro.	Jonesboro.	Jonesboro.	
102		GD.	Lagrange.	Lagrange.	Lagrange.	
103		GD.	Louisville.	Louisville.	Louisville.	
104		GD.	Lyons.	Lyons.	Lyons.	
105		GD.	McRae.	McRae.	McRae.	
106		GD.	Madison.	Madison.	Madison.	
107		GD.	Manchester, Warm Springs, and Bullochville.	Manchester.	Manchester.	
108		GD.	Marietta.	Marietta.	Marietta.	
109		GD.	Meigs.	Meigs.	Meigs.	
110		GD.	Millen.	Millen.	Millen.	
111		GD.	Monroe.	Monroe.	Monroe.	
112		GD.	Monticello.	Monticello.	Monticello.	
113		GD.	Moultrie.	Moultrie.	Moultrie.	
114		GD.	Nashville.	Nashville.	Nashville.	
115		GD.	Newnan.	Newnan.	Newnan.	
116		D.	Norcross.	Norcross.	Norcross.	
117		GD.	Norman Park.	Norman.	Norman.	
118		GD.	Ocilla.	Ocilla.	Ocilla.	
119		GD.	Quitman.	Quitman.	Quitman.	
120		GD.	Richland.	Richland.	Richland.	
121		GD.	Rockmart.	Rockmart.	Rockmart.	
122		GD.	Sandersville and Tennille.	Sandersville.	Sandersville.	
123		GD.	Shellman.	Shellman.	Shellman.	
124		GD.	Social Circle.	Social Circle.	Social Circle.	
125		GD.	Sparks.	Sparks.	Sparks.	
126		GD.	Statesboro.	Statesboro.	Statesboro.	
127		GD.	Swainsboro.	Swainsboro.	Swainsboro.	
128		GD.	Sylvester.	Sylvester.	Sylvester.	
129		GD.	Tallapoosa.	Tallapoosa.	Tallapoosa.	
130		GD.	Thomaston.	Thomaston.	Thomaston.	
131		GD.	Thomasville and vicinity.	Thomasville.	Thomasville.	
132		GD.	Thomson.	Thomson.	Thomson.	
133		GD.	Vidalia.	Vidalia.	Vidalia.	
134		GD.	Warrenton.	Warrenton.	Warrenton.	
135		GD.	Washington.	Washington.	Washington.	
136		GD.	Waynesboro.	Waynesboro.	Waynesboro.	
137		GD.	West Point.	West Point.	West Point.	
138		GD.	Winder.	Winder.	Winder.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## GEORGIA—Continued.

## B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
65			(90)	100		(60)				Mc.
66			275	125		80				Mc. C.
67									Albany Power & Manufacturing Co.	Mc. C.
68			100	80		50				Mc.
69			200	(75)		45				Mc.
70	Private.....		500	400		200	\$0.105-\$0.07	\$0.07-\$0.03		Mc. C.
71			300	250		250				Mc.
72	Private.....	250				150	.10			Mc. C.
73			250	100		80				Mc.
74	Private.....		90	90		60	.10	.06		Mc. C.
75			200	235		150	.15 - .09	.09- .05		Mc. C.
76										Mc.
77			170	325		200				Mc.
78	Private.....		250	275		160	.12 - .10	.07- .03		Mc. C.
79			450	350		200				Mc.
80			300	300		210				Mc.
81			125	80		180				Mc.
82			230	165		110				Mc.
83			180	250		176				Mc.
84			300	175		125				Mc.
85			350	410		300			Georgia Railway & Power Co.	Mc.
86			300	440		325				Mc.
87			100	90		62½				Mc.
88			450	325		300				Mc.
89			125	105		70				Mc. C.
90			550	1,000		612				Mc.
91	Private.....								Georgia Railway & Power Co.	Mc. C.
92			80	75		60	.12½			Mc.
93		250	160	150		290				Mc.
94	Private.....								Georgia Railway & Power Co.	Mc. C.
95	Do .....		550	975		655				Mc. C.
96	Do .....		160	200		183				Mc. C.
97			350	350		240	.07 - .045	.04- .0175	Central Georgia Power Co.	Mc. C.
98	Private.....		310	325		225	.12 - .08			Mc. C.
99			125	175		60				Mc.
100									Central Georgia Power Co.	Mc.
101	Private.....						.12 - .08	.07- .02	Central Georgia Light Co.	Mc. C.
102			450	600		400				Mc.
103			160	175		165				Mc.
104			80	80		60				Mc.
105			(110)	150		108				Mc.
106	Private.....		225	250		200	.10	.10		Mc. C.
107	Do .....		150	100		100	.15 - .0575	.05- .02		Mc. C.
108			300	250		200				Mc.
109	Private.....		160	85		60	.15	.15		Mc. C.
110			125	(170)		100				Mc.
111	Private.....		300	185		125	.085	.07- .035	Georgia Railway & Power Co.	Mc. C.
112			125	75		60			Central Georgia Power Co.	Mc.
113	Private.....		400	750		500	.10	.05		Mc. C.
114			125	(150)		90				Mc.
115			300	450		300			Columbus Power Co.	Mc.
116									Georgia Railway & Power Co.	Mc.
117			100	75		50				Mc.
118			200	140		100				Mc.
119	Private.....		348	250		250	.10	.10- .075		Mc. C.
120			200	125		100				Mc.
121	Private.....		180	292		206	.10	.07- .03		McC.
122	Do .....		300	405		275	.165- .10	.10- .025		McC.
123			180	65		50	.126			McC.
124			(80)	(125)		75				Mc.
125			100	75		50				Mc.
126	Private.....		250	325		255	.11			McC.
127			120	325		65				Mc.
128	Private.....		180	285		100	.10	.07		McC.
129			200	125		100				Mc.
130			200	250		160				Mc.
131			550	650		450	.10	.05- .02		McC.
132			200	135		100				Mc.
133			250	100		(60)				Mc.
134	Private.....		70	100		60	.15 - .10			McC.
135			200	235		150				Mc.
136	Private.....		300	200		150	.12 - .08	.12- .08		McC.
137			300	250		150	.10 - .07	.07- .05	West Point Manufacturing Co.	McC.
138			260	130		150				Mc.
Total, B.....		500	15,398	16,127		11,442				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## GEORGIA—Continued.

## C.—ALL OTHER PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
139	Augusta City.....		Augusta.....	Augusta.....	Augusta.....	Savannah River.....
140	Augusta Factory.....		Cotton mills.....	Atlanta.....	Atlanta.....	do.....
141	Augusta Lumber Co.....		Manufacturing.....	Augusta.....	Augusta.....	do.....
142	Brunswick Terminal & Railway Securities Co.....	H.....				
142	City & Suburban Ry. Co.....	G.....	Electric railway.....	Brunswick.....	Brunswick.....	
143	Clark Milling Co.....		Grain mill.....	Atlanta.....	Atlanta.....	Savannah River.....
144	Eagle & Phoenix Mills.....	G.....	Manufacturing.....	Columbus.....	Columbus.....	Chattahoochee River..
145	Enterprise Manufacturing Co.....		Cotton mills.....	Augusta.....	Augusta.....	Savannah River.....
146	Fulton Bag & Cotton Mills.....		Mills.....	Atlanta.....	Atlanta.....	do.....
147	Georgia Iron Works.....		Machine shop.....	do.....	do.....	do.....
148	Globe Cotton Mills.....		Cotton mills.....	Augusta.....	Augusta.....	do.....
149	King Manufacturing Co.....		do.....	do.....	do.....	do.....
150	Lombard Iron Works.....		Machine shop.....	do.....	do.....	do.....
151	Nixon & Co.....		Grain mill.....	do.....	do.....	do.....
152	Sibley Manufacturing Co.....		Cotton mill.....	do.....	do.....	do.....
153	Singleton Silk Manufacturing Co.....		Silk mill.....	do.....	do.....	do.....
154	Stewart Lumber Co.....		Mill.....	Brinson.....	Brinson.....	
155	Sutherland Manufacturing Co.....		Cotton mills.....	Augusta.....	Augusta.....	Savannah River.....
156	Waycross Street & Suburban Ry. Co.....		Electric railway.....	Waycross.....	Waycross.....	
157	White, J. R., Electric Light & Power Plant.....		Manufacturing.....	White Hall.....	White Hall.....	Oconee River.....

## IDAHO.

## A.—PUBLIC UTILITY PLANTS.

1	Adams County Light & Power Co.....	GD.....	Cambridge.....	Rush Creek.....	S. 27 and 28, T. 16 N., R. 3 W.	Rush Creek.....
2	Aulback, Adam, Electric Light Co.....	GD.....	Murray.....	Murray.....	Murray.....	Alder Gulch.....
3	Beaver River Power & Electric Light Co.....	GD.....	Pocatello.....	Pocatello.....	In Pocatello.....	
4	Boise-Rochester Milling Co.....	GD.....	Atlanta.....	Atlanta.....	T. 5 N., R. 11 E.....	Boise River.....
5	Bonner Water & Light Co.....	GD.....	Bonnors Ferry.....	Bonnors Ferry.....	Bonnors Ferry.....	Myrtle Creek.....
6	Boston & Idaho Gold Dredging Co.....	GD.....	Boise County.....	Grampas.....	S. 10, T. 8 N., R. 5 E..	South Fork Payette River.
7	Bunker Hill & Sullivan Milling & Construction Co. Byllesby, H. M., & Co.....	GD.....	Kellogg and Wardner.....	Kellogg.....	Kellogg.....	
8	Northern Idaho & Montana Power Co.....	GD.....	Northern Idaho.....	Sand Point.....	Sand Point.....	
9	Canyon Creek Electric Light Co.....	GD.....	Burke, Black Bear, and Mace.....	Burke.....		
10	De Lamar Co. (Ltd.) (electric light plant).....	D.....		De Lamar.....		
11	Evans, D. L.....	GD.....	Malade.....	Lower Birch Creek.....	S. 28, T. 12 S., R. 36 E.	Birch Creek.....
12	Do.....	GD.....	do.....	Upper Birch Creek.....	S. 29, T. 12 S., R. 36 E.	do.....
13	Federal Mining & Smelting Co.....	GT.....				
14	Grangeville Electric Light & Power Co.....	GD.....	Grangeville.....	Grangeville.....	S. 30, T. 30 N., R. 4 E.	South Fork Clearwater River.
15	Do.....	GD.....	Cottonwood, Greer, and vicinity.....	Greer.....	T. 35 N., R. 2 E.....	Lolo Creek.....
16	Hailey Electric Co.....	GD.....	Hailey.....	Hailey.....	S. 9, T. 2 N., R. 18 E..	Wood River.....
17	Harrison Electric Light Co.....	GD.....	Harrison.....	Harrison.....		
18	Idaho Irrigation Co.....					
18	Richfield Public Service Co.....	GD.....	Richfield.....	Richfield.....	Richfield.....	
19	Juliaetta Milling Co.....	GD.....	Juliaetta.....	Juliaetta.....		
20	Kooskia Mill & Power Co.....	GD.....	Kooskia.....	Kooskia.....	Kooskia.....	South Fork Clearwater River.
21	Kootenai Power Co.....	GD.....	Coeur d'Alene.....	Coeur d'Alene.....	Coeur d'Alene.....	
22	Mackay Light & Power Co.....	GD.....	Mackay.....	Mackay.....	S. 2, T. 7 N., R. 24 E.	Cedar Creek.....
23	Meadows Light & Power Co.....	GD.....	Meadows and New Meadows.....	Meadows.....	S. 28, T. 19 N., R. 2 E.	Goose Creek.....
24	Mullan Light Co.....	GD.....	Mullan.....	Mullan.....	Mullan.....	Mill Creek.....
25	National Securities Corporation.....	H.....				
25	Great Shoshone & Twin Falls Water Power Co.....	GD.....	{ Southern Idaho from Mount Home to Oakley.	Lower Salmon Falls...	S. 2, T. 7 S., R. 13 E..	Snake River.....
26	Do.....			Shoshone Falls.....	S. 31, T. 9 S., R. 18 E.	do.....
27	Do.....			Shoshone.....	T. 5 S., R. 17 E.....	Little Wood River...
28	Idaho-Oregon Light & Power Co.....	GTD.....	Southwestern Idaho.....	Horseshoe Bend.....	S. 32, T. 7 N., R. 2 E..	Payette River.....
29	(Lessor, Boise-Payette Lumber Co.).....	GTD.....	Eastern Oregon.....	Barber.....	S. 29, T. 3 N., R. 3 E..	Boise River.....
30	Idaho Power & Light Co.....	GTD.....	Southwest Idaho.....	Boise.....	Boise.....	
31	Do.....	GTD.....	do.....	Malade, No. 1.....	S. 34, T. 6 S., R. 13 E.	Malade River.....
32	Idaho Railway, Light & Power Co.....	GTD.....	do.....	Swan Falls.....	S. 18, T. 2 S., R. 1 E..	Snake River.....
33	Southern Idaho Water Power Co.....		American Falls, Blackfoot and Pocatello.....	American Falls.....	S. 30 and 31, T. 7 S., R. 31 E.	do.....
34	Northwest Light & Water Co.....	GD.....	Wallace.....	Wallace.....		Placer Creek.....
35	Potlatch Lumber Co.....	GD.....	Elk River.....	Elk River.....	Elk River.....	
36	Do.....		Potlatch.....	Potlatch.....	Potlatch.....	
37	Rockwell-White Power Co.....	GD.....	Bellvue.....	Bellvue.....	S. 26, T. 2 N., R. 18 E.	Wood River.....
38	Rupert Electric Co.....	D.....	Rupert.....	Rupert.....	Rupert.....	
39	Salmon River Power & Light Co.....	GD.....	Salmon.....	Lower Salmon.....	S. 5, T. 21 N., R. 22 E.	Lemhi River.....
40	Do.....	GD.....	do.....	Upper Salmon.....	do.....	do.....
41	Shelley Mercantile Co.....	GD.....	Shelley.....	Shelley.....	Shelley.....	Snake River.....
42	Skinner, E. B., Light Plant.....	D.....	Heyburn.....			



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## GEORGIA—Continued.

## C.—ALL OTHER PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
139	.....	1,000	(Water pumps).....	.....	.....	.....	.....	.....	.....	C.
140	.....	1,253	.....	.....	.....	.....	.....	.....	.....	O.
141	Private.....	106	410	400	.....	.....	.....	.....	.....	C.
142	Do.....	.....	600	200	.....	175	.....	.....	Mutual Lumber & Water Co..	McC.
143	.....	181	.....	.....	.....	.....	.....	.....	.....	O.
144	.....	4,000	1,250	.....	.....	3,075	.....	.....	Columbus Power Co.....	M. O. C.
145	Private.....	1,246	300	200	.....	.....	.....	.....	.....	C.
146	.....	.....	4,500	6,500	.....	3,500	.....	.....	.....	C.
147	.....	36	.....	.....	.....	.....	.....	.....	.....	O.
148	.....	206	.....	.....	.....	.....	.....	.....	.....	C.
149	.....	2,928	.....	.....	.....	.....	.....	.....	.....	O.
150	.....	93	.....	.....	.....	.....	.....	.....	.....	O.
151	.....	88	.....	.....	.....	.....	.....	.....	.....	O.
152	.....	1,650	.....	.....	.....	.....	.....	.....	.....	O.
153	Private.....	300	.....	.....	.....	.....	.....	.....	Augusta-Aiken Railway & Electric Corporation.	C.
154	Do.....	.....	50	50	.....	35	.....	.....	.....	C.
155	.....	237	.....	.....	.....	.....	.....	.....	.....	C.
156	.....	.....	.....	.....	.....	400	.....	.....	Ware County Light & Power Co.	McC.
157	Private.....	325	.....	.....	.....	375	.....	.....	.....	C.
Total, C.....		13,649	7,110	7,350	.....	7,560	.....	.....	.....	.....
Grand total.....		217,555	74,381	120,051	.....	234,662	.....	.....	.....	.....

## IDAHO.

## A.—PUBLIC UTILITY PLANTS.

1	Forest.....	308	.....	.....	.....	200	\$0.15	\$0.08	.....	C. M. O. P.
2	Do.....	30	.....	.....	.....	30	a. 50	.....	.....	O. P.
3	Private.....	.....	.....	.....	500	375	.....	.....	.....	C. P.
4	Do.....	150	.....	.....	.....	6	.....	.....	.....	.....
5	Do.....	200	.....	.....	.....	200	\$0.15 - .07	\$0.07 - .003	.....	Mc. P.
6	Forest.....	1,600	.....	.....	.....	850	.20 - .06	.65 - .008	.....	C. F. P.
7	.....	.....	450	1,200	.....	375	.13 - .06	b. 025	Washington Water Power Co.	Mc. O. P.
8	.....	.....	900	900	.....	500	.15 - .0175	.08 - .022	do.....	Mc. O. P.
9	.....	160	.....	.....	.....	100	.15	.10	.....	Mc. P.
10	.....	.....	.....	.....	.....	.....	.07	.07	.....	P.
11	Forest.....	200	.....	.....	.....	125	.15	.07	.....	C. F. P.
12	Do.....	220	.....	.....	.....	150	.15	.07	.....	F. Mc. P.
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. Mc.
14	Forest.....	1,100	.....	.....	.....	624	.12 - .03	.07 - .01	.....	F. M. Mc.
15	Private.....	200	.....	.....	.....	150	.12 - .03	.07 - .01	.....	O. P.
16	Do.....	600	.....	.....	.....	400	.16 - .05	.075- .01	.....	Mc. O.
17	.....	.....	200	250	.....	100	.15	.....	.....	C. Mc. P.
18	Private.....	.....	80	30	.....	20	a. 50	.....	.....	Mc. P.
19	.....	52	.....	.....	.....	24	.125	.....	.....	C. M. P.
20	Private.....	102	.....	.....	.....	36	.15	.05	.....	Mc. P.
21	.....	.....	160	150	.....	150	.10	c. 07	Washington Water Power Co.	Mc. O. P.
22	Forest.....	220	.....	.....	.....	100	.16	.0075	.....	C. F. Mc.
23	Private.....	86	.....	.....	.....	50	.....	.....	.....	O. P.
24	Forest.....	65	.....	.....	.....	50	.16	.06	Federal Mining & Smelting Co.	C. P.
25	Private.....	8,000	.....	.....	.....	4,000	.09	.75 + .07	Thousand Springs Power Co..	Mc. O. P.
26	Do.....	1,950	.....	.....	.....	1,100	.09	.75 + .07	.....	C. F. L. M. P.
27	Do.....	250	.....	.....	.....	150	.09	.75 + .07	.....	C. F. L. P.
28	Do.....	2,250	.....	.....	.....	1,500	.....	.....	Idaho Power & Light Co. and United States Reclamation Service.	C. P.
29	Do.....	1,200	.....	.....	.....	900	.12 - .09	.075	.....	C. F. L. M.
30	Do.....	.....	500	2,000	.....	1,500	.09	.....	.....	Mc. P. C.
31	Public domain.....	8,000	.....	.....	.....	4,000	.09	.075	.....	C. F. P.
32	Do.....	5,700	.....	.....	.....	4,200	.12	.06	.....	C. F. M. P.
33	Private.....	7,000	.....	.....	.....	4,500	.09	.07	.....	C. L. M.
34	Do.....	335	300	300	.....	300	.125- .07	b. 02 - .01	Washington Water Power Co.	Mc. P.
35	.....	.....	1,500	1,400	.....	1,250	.12	.10 - .05	.....	M. Mc. P.
36	.....	.....	2,700	2,900	.....	750	.12	.10 - .05	.....	P.
37	Private.....	1,000	.....	.....	.....	600	.16 - .10	.....	.....	C. P.
38	.....	.....	.....	.....	.....	.....	.027- .023	.01 - .0053	United States Reclamation Service.	F. Mc. P.
39	Private.....	850	.....	.....	.....	500	.15 - .08	.03 - .005	.....	C. P.
40	Do.....	350	.....	.....	.....	200	.15 - .08	.03 - .005	.....	F. L. Mc. P.
41	Do.....	90	.....	.....	.....	75	.12	.....	.....	C. Mc. P.
42	.....	.....	.....	.....	.....	.....	.07	.05	United States Reclamation Service.	Mc. P.

a Lamp-month.

b \$12 per horsepower-year.

c \$24 per horsepower-year.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
GEORGIA—Continued.

A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
43	Soda Springs Electric Co.....	GD.....	Soda Springs.....	Soda Springs.....	S. 6, T. 9 S., R. 42 E..	Soda Creek.....
44	Spirit Lake Land Co.....	D.....	Spirit Lake.....	Spirit Lake.....	Spirit Lake.....	.....
45	Teton Valley Power & Milling Co.....	GD.....	Driggs.....	Driggs.....	Driggs.....	Teton Creek.....
46	Thousand Springs Power Co.....	G.....	Great Shoshone and Twin Falls Water Power Co.	Thousand Springs.....	S. 8, T. 8 S., R. 14 E..	Thousand Springs.....
47	United States Reclamation Service.....	GTD.....	Boise.....	Boise.....	S. 13, T. 2 N., R. 3 E.	Boise River.....
48	Do.....	GTD.....	Minidoka and Cassia Counties.	Minidoka.....	S. 1, T. 9 S., R. 25 E.	Snake River.....
49	Utah Securities Corporation.....	H.....	Downey.....	Downey.....	Downey.....	.....
50	Utah Power & Light Co.....	GD.....	Downey.....	Georgetown.....	S. 4, T. 11 S., R. 44 E.	Georgetown Creek.....
51	Do.....	GTD.....	Southeastern Idaho and northern Utah.	Grace.....	S. 21, T. 10 S., R. 40 E.	Bear River.....
52	Do.....	GTD.....		High Creek.....	S. 34, T. 15 S., R. 40 E.	Cub Creek.....
53	Do.....	GTD.....	East-central Idaho.....	Idaho Falls.....	S. 25, T. 2 N., R. 38 E.	Snake River.....
54	Do.....	GTD.....	McCammon.....	McCammon.....	McCammon.....	Portneuf River.....
55	Do.....	GTD.....	Southeast Idaho and northern Utah.	Oneida.....	Oneida.....	Bear River.....
56	Do.....	GTD.....	do.....	Paris.....	S. 9, T. 14 S., R. 43 E.	Paris Creek.....
57	Do.....	GTD.....	East-central Idaho.....	St. Anthony.....	S. 1, T. 7 N., R. 40 E.	Snake River.....
58	Do.....	GTD.....	do.....	Teton.....	S. 31, T. 7 N., R. 41 E.	Teton River.....
59	Washington Water Power Co.....	GTD.....	Eastern Washington and northern Idaho.	Post Falls.....	S. 4, T. 50 N., R. 5 W.	Coeur d'Alene.....
60	Whitebird Electric Light & Power Plant.....	GD.....	Whitebird.....	Whitebird.....	Whitebird.....	Whitebird Creek.....

B.—MUNICIPAL PLANTS.

61	.....	D.....	Burley.....	Burley.....	Burley.....	.....
62	.....	GD.....	Idaho Falls.....	Idaho Falls.....	Idaho Falls.....	Snake River.....
63	.....	D.....	Weiser.....	Weiser.....	Weiser.....	.....

C.—ALL OTHER PLANTS.

64	American Development Milling & Reduction Co.....	.....	Milling.....	Lower North Fork.....	T. 26 N., R. 22 E.....	Northfork.....
65	Do.....	.....	Mining.....	Upper North Fork.....	do.....	Dahlonga and Northfork.
66	Atlanta Mines Co.....	G.....	do.....	Atlanta.....	T. 5 N., R. 11 E.....	Boise River.....
67	Continental Milling & Power Co.....	.....	Milling.....	Pine Creek.....	T. 23 N., R. 18 E.....	Pine Creek.....
68	Idaho Continental Co.....	G.....	Mining.....	Porthill.....	Porthill.....	Boundary Creek.....
69	Kittie Burton Gold Mines Co.....	.....	Milling.....	Ulysses.....	T. 24 N., R. 20 E.....	Indian Creek.....
70	Leesburg Mining Co.....	G.....	do.....	Big Creek.....	T. 21 N., R. 18 E.....	Big Creek.....
71	Pierce Co. (Ltd.).....	G.....	Mining.....	Pierce City.....	Pierce City.....	Orofino Creek.....
72	Snydam, E. S.....	.....	Milling.....	Shoup.....	T. 24 N., R. 19 E.....	Boulder Creek.....

ILLINOIS.

A.—PUBLIC UTILITY PLANTS.

1	Abbott Light & Power Co.....	GD.....	Petersburg, Ashland, Greenview & Tallula.	Petersburg.....	Petersburg.....	.....
2	Albion Electric Light & Gas Co.....	GD.....	Albion.....	Albion.....	Albion.....	.....
3	American Gas Co.....	H.....	.....	.....	.....	.....
3	Consolidated Light & Power Co.....	GD.....	Kewanee, Sheffield, and Weathersfield.	Kewanee.....	Kewanee.....	.....
4	St. Clair County Gas & Electric Co.....	GD.....	Belleville.....	Belleville.....	Belleville.....	.....
5	American Gas & Electric Co.....	H.....	.....	.....	.....	.....
6	Rockford Electric Co.....	GD.....	Rockford.....	Rockford.....	.....	.....
7	Atchison & Hilderbrand Light Plant.....	GD.....	Monroe Center.....	Monroe Center.....	Monroe Center.....	.....
8	Athens Electric Light Plant.....	GD.....	Athens.....	Athens.....	Athens.....	.....
9	Atlanta Electric Light & Power Co.....	GD.....	Atlanta and McLean.....	Atlanta.....	Atlanta.....	.....
10	Aurora, Elgin & Chicago R. R. Co.....	GTD.....	Dupage & Kane Counties.....	Batavia.....	Batavia.....	.....
10	Do.....	GD.....	Elgin.....	Elgin.....	Elgin.....	Fox River.....
11	Avon Milling & Manufacturing Co.....	GD.....	Avon.....	Avon.....	Avon.....	.....
12	Barrow, Eugene, Electric Light Plant.....	GD.....	Ava.....	Ava.....	Ava.....	.....
13	Bement Electric Light & Power Co.....	GD.....	Bement.....	Bement.....	Bement.....	.....
14	Blandinsville Electric Plant.....	GD.....	Blandinsville.....	Blandinsville.....	Blandinsville.....	.....
15	Bondville Electric Co.....	D.....	Bondville.....	Bondville.....	.....	.....
16	Bonas, Emile, & Sons Light Plant.....	GD.....	Coulterville.....	Coulterville.....	Coulterville.....	.....
17	Bowen Electric Co.....	GD.....	Bowen.....	Bowen.....	Bowen.....	.....
18	Breese Water & Light Co.....	GD.....	.....	.....	.....	.....
18	(Lessor, city of Breese)	L.....	Breese.....	Breese.....	Breese.....	.....
19	Brick Electric Light Plant.....	.....	Cullom.....	Cullom.....	Cullom.....	.....
19	Byllesby, H. M., & Co.....	M.....	.....	.....	.....	.....
20	Interstate Light & Power Co.....	GTD.....	Jo Davies County, Ill., and Lafayette and Grant Counties, Wis.	Galena.....	Galena.....	.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## GEORGIA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
43	Private.....	60				45	\$0.08	\$0.08		F. Mc. P.
44							.15	.075	Washington Water Power Co.	O. P.
45	Forest.....	(250)				150				O.
46	Private.....	3,000				2,750				F. P.
47	Public domain.....	3,000				1,875	.01 - .0075			C. F.
48	Do.....	10,060				7,000	.04 - .023	.04 - .005		C.
49	Private.....		200	300		100				C.
50	National forest.....	300				180	.10	.05		C. F. M. Mc. P.
51	Private.....	50,000				33,000				C. F.
52	Do.....	1,000				550				C. F.
53	Do.....	3,400				1,875	.10			C. F. Mc. P.
54	Do.....					60				C.
55	Public.....	(16,700)				10,000				C.
56	Forest.....	1,180				650	.10			C. F. Mc.
57	Private.....	800				500	.10			C. Mc.
58	Do.....	127				100	.10			C. Mc.
59	Public.....	16,300				22,800	.16 - .13	.15 - .11		Mc. O. P.
60	Private.....	25				20	<sup>a</sup> 1.00			Mc. O.
	Total, A.....	148,410	6,990	9,430	500	111,795				

## B.—MUNICIPAL PLANTS.

61							\$0.027-\$0.021	\$0.01 - \$0.005	United States Reclamation Service.	
62	Private.....	1,350				600	.10	.03		C. F. Mc. P.
63	Do.....						.09 .02	.06 .015	Electric Investment Co.....	Mc. P.
	Total, B.....	1,350				600				

## C.—ALL OTHER PLANTS.

64	Forest.....	(100)					Water plant.....			F.
65	Do.....	170					Water plant.....			F.
66	Private.....	600				360				C. P.
67	Forest.....	150					Water plant.....			F.
68	Do.....	800				550				O.
69	Do.....	100	90	70			Water plant.....			F.
70	Do.....	350				200				F.
71	Do.....	300				200				O.
72	Do.....	30					Water plant.....			F. C.
	Total, C.....	2,600	90	70		1,310				
	Grand total.....	152,360	7,080	9,500	500	113,705				

## ILLINOIS.

## A.—PUBLIC UTILITY PLANTS.

1			500	600		500				Mc.
2			200	150		75				Mc. C.
3	Private.....		1,725	1,700		1,220	\$0.10 - \$0.03	\$0.10 - \$0.02		M. Mc. C.
4		1,680	4,600	15,000		11,650				Mc.
5			950	1,700		1,410				M. Mc.
6					15	87				Mc. C.
7			160	112		120				Mc.
8			200	300		195				Mc.
9			9,000	21,430		17,800	.08	.04		M. Mc. C.
10		75				125	.08	.06		C.
11	Private.....		140	180		125	.10	.08 - .06		Mc. C.
12			75	80		60				Mc.
13			120	140		120				Mc.
14			120	120		75				Mc.
15										Mc.
16			110	135		80				Mc.
17					75	37½				Mc.
18			315	250		200				Mc.
19			180	60		(35)	.12			C.
20	Private.....		2,430	9,660		7,250	.125- .08	.08 - .02		Mc. C.

<sup>a</sup> Lamp-month.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## ILLINOIS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
21	Canton Gas & Electric Co.	GD	Canton and vicinity	Canton	Canton	
22	Cedar Point Light & Water Co.	GD	Cedar Point	Cedar Point	Cedar Point	
23	Central Illinois Electric Co.	D	East Central Illinois	Buffalo		
24	Centralia Gas & Electric Co.	GD	Centralia and Central City	Centralia	Centralia	
25	Cherry Valley Light & Power Co.	GD	Cherry Valley	Cherry Valley	Cherry Valley	Kishwaukee River
26	Chester Light & Ice Plant	GD	Chester	Chester	Chester	
27	Clark, E. W., & Co. Mortgage Corporation. Alton Gas & Electric Co.	M. D	Alton	Alton	Alton	
28	East St. Louis Light & Power Co.	GD	East St. Louis	East St. Louis	East St. Louis	
29	East St. Louis & Suburban Ry. Co.	GD	do	Alton		
30	Alton, Granite & St. Louis Traction Co.			do	Alton	
31	Colfax Light Plant		Colfax	Colfax	Colfax	
32	Collinsville Electric Light Co.			Collinsville		
33	Commonwealth Power, Railway & Light Co.	H				
34	Central Illinois Light Co.					
35	Do.	GD	Peoria, Tazewell, Fulton, Knox, Woodford, and Sangamon Counties.	Elmwood	Elmwood	
36	Do.			Pekin	Pekin	
37	De Kalb-Sycamore Electric Co.	GD	De Kalb and Sycamore	De Kalb	De Kalb	
38	Do.			Farmington	Farmington	
39	Springfield Gas & Electric Co.	GTD	Springfield	Springfield	Springfield	
40	Commonwealth Edison Co.	GTD	Chicago	Chicago	Chicago	
41	(Elevated Railroad Co.)	L	do	Thirty-ninth and State Streets.	do	
42	(Metropolitan West Side Elevated Ry. Co.)	L	do	Troop Street	do	
43	(Northwestern Elevated R. R. Co.)	L	do	Fullerton Avenue	do	
44	Culley, F. M.	D	McClure	McClure		
45	Danvers Electric Light Plant	D		Danvers	Danvers	
46	Doherty Operating Co.	H				
47	Citizens Gas, Electric & Heating Co.	GD	Mount Vernon	Mount Vernon	Mount Vernon	
48	Du Quoin Utility Co.	GD	Du Quoin	Du Quoin	Du Quoin	
49	Effingham Electric Light & Power Co.	GD	Effingham	Effingham	Effingham	
50	Electric Light Co.	GD	Rankin and East Lynn	Rankin	Rankin	
51	Electric Service Co.	GD	Cissna Park	Cissna Park	Cissna Park	
52	Elgin Merchants Light Co.	GD	Elgin	Elgin	Elgin	
53	Essex Light Co.	GD	Essex	Essex	Essex	
54	Galva Electric Light Co.	GD	Galva, Cambridge, Utah, Altona, and Oneida.	Galva	Galva	
55	Golconda Light & Water Co.	GD	Golconda	Golconda	Golconda	
56	Greenview Electric Light & Power Co.	D	Greenview and Sweetwater	Greenview	Greenview	
57	Hamilton Utilities Co.	GD	Benton and West City	Benton	Benton	
58	Hard, L. C., Light Plant	GD	Medora	Medora	Medora	
59	Heyworth Electric Light & Power Co.	D	Heyworth	Heyworth		
60	Hinckley Electric Light Plant	GD	Hinckley	Hinckley	Hinckley	
61	Homer Electric Light & Power Plant	GD	Homer and Sidney	Homer	Homer	
62	Hillview Electric Light Co.	GD	Hillview	Hillview	Hillview	
63	Hoopeston Gas & Electric Co.	GD	Hoopeston and Rossville	Hoopeston	Hoopeston	
64	Hull Milling, Lighting & Canning Co.	D	Hull	Hull	Hull	
65	Illinois Traction Co.	H				
66	Bloomington & Normal Railway & Light Co.	GTD	Bloomington, El Paso, Gridley, Normal, Meadows, Morton, Lexington, Tremont.	Bloomington	Bloomington	
67	Do.			Lexington	Lexington	
68	Consumers Water & Light Co.	D	Marseilles	Marseilles		
69	Cairo Railway & Light System	GD	Cairo	Cairo	Cairo	
70	Citizens Lighting Co.	D	La Salle	La Salle	La Salle	
71	Clinton Gas & Electric Co.	GD	Clinton and Fulton	Clinton	Clinton	
72	Danville Street Railway & Light Co.	GD	Tilton, Westville, Georgetown, and Sidell.	Danville	Danville	
73	Danville, Urbana & Chain Ry.			do		
74	Decatur Railway & Light Co.	GTD		Decatur	Decatur	
75	Do.			Galesburg		
76	Do.			Riverton		
77	Galesburg Railway, Lighting & Power Co.	GD	Abingdon	Abingdon	Abingdon	
78	Do.		St. Augustine, Prairie City, and Knoxville.	Galesburg	Galesburg	
79	Jacksonville Railway & Light Co.	GD	Jacksonville	Jacksonville	Jacksonville	
80	Knoxville Electric Light & Power Co.	GD	Knoxville	Knoxville	Knoxville	
81	Madison County Light & Power Co.	GD	Carlinsville	Carlinsville	Carlinsville	
82	Do.		Granite City, Venice, Madison, Edwardsville, Worden.	Edwardsville	Edwardsville	
83	Do.		do	Venice	Venice	
84	Monticello Electric Light & Power Co.	GD	Monticello	Monticello	Monticello	
85	Mound City Light & Water Co.	GD	Mound City	Mound City	Mound City	
86	Northern Illinois Light & Traction Co.	GTD	Marseilles	Marseilles		Illinois River
87	Do.		Ottawa	Ottawa		Illinois and Michigan Canal.
88	Peoria Ry. Co.			Peoria		
89	Springfield Belt Ry. Co.			Springfield		
90	Urbana & Champaign Railway, Gas & Electric Co.	GTD	Champaign	Champaign	Champaign	
91	Urbana Light, Heat & Power Co.	GTD	Urbana	Urbana	Urbana	
92	Kinderhook Electric Light Co.	D	Kinderhook	Kinderhook		
93	Kinmundy Light Co.	GD	Kinmundy, Frina, and Patoka.	Kinmundy	Kinmundy	
94	La Harpe Electric Light & Power Co.	GD	La Harpe	La Harpe	La Harpe	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## ILLINOIS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
21	Private		1,830	3,300		2,550				Mc. C.
22			150	200		87	\$0.15	\$0.0 - \$0.10		Mc. C.
23									Illinois Traction Co.	Mc. C.
24			700	1,333		1,025				M. Mc.
25	Private	130				22½				Mc. C.
26			300	225		275	\$0.125- .06	.06- .025		Mc. C.
27									East St. Louis Light & Power Co.	M. Mc.
28			2,000	6,670		5,000				M. Mc.
29			7,000	12,430		10,600				M. O. Mc.
30						1,500				M. Mc.
31	Private				75	75	.125- .10			C.
32										M.
33	Private		375	400		350	.10 - .09	.09- .02		M. Mc. C.
34	Do.		1,180	750		500	.10 - .07	.09- .02		M. Mc. C.
35			5,300	15,400		12,500	.10 - .06	.09- .02		M. Mc. C.
36	Private		240	180		150	.10 - .05	.09- .02		C.
37			1,600	1,200		850				Mc.
38			500	300		180				M. Mc.
39			4,800	8,250		5,300				Mc. Mc.
40			127,015	471,500		344,150				M. Mc.
41			9,880	15,700		11,700			Commonwealth Edison Co.	C.
42	Private		6,500	13,500		10,050			do.	C.
43	Do.		5,040	10,450		7,800			do.	M.
44										Mc.
45									Illinois Traction System	C.
46			885	900		650	.125- .09	.10- .025		M. Mc. C.
47			800	550		400	.10 - .05	.10- .05		Mc. C.
48					465	370				Mc.
49	Private				92	62½	.12	.12		Mc. C.
50	Do		200	200		90	.10			Mc. C.
51		60				72				Mc.
52	Private		40	35		30				Mc. C.
53			500	600		350				Mc.
54			100	225		150				Mc.
55	Private						.15 - .10	.10- .028	Abbott Light & Power Co., Petersburg.	C.
56	Do		300	520		400	.12	.08- .04		Mc. C.
57	Do		50	50		30				Mc.
58										Mc.
59			(80)	80		50				Mc.
60			325	250		125	.135			Mc. C.
61	Private				20	10	.30			Mc. C.
62	Do		150	800	400	700	.14 - .09	.09- .02		M. Mc. C.
63	Do						.12 - .08		Central Illinois Public Service Co.	Mc. C.
64			3,800	4,000		1,950				M. Mc.
65			200	190		135				Mc.
66									Northern Illinois Light & Traction Co.	Mc.
67			1,800	2,270		2,000				M. Mc.
68									Northern Illinois Light & Traction Co.	M. Mc.
69			900	500		400				Mc.
70			5,800	7,500		3,510				M. Mc.
71										M.
72			4,700	4,500		1,800				M.
73										M.
74										
75			300	300		275				M. Mc.
76			2,400	2,500		2,650				Mc.
77			625	815		1,450				M. Mc.
78			200	200		200				Mc.
79			180	241		20				M. Mc.
80			850	800		775				M. Mc.
81										M.
82			120	150		126				Mc.
83			300	250		150			Cairo Railway & Light System	Mc.
84		5,600	1,775	2,670		2,870	.15	.05		Mc. C.
85		515	750	1,500		1,000	.15	.05		Mc. C.
86										M.
87										M.
88			3,480	4,500		2,750				M.
89			850	500		375				M. Mc.
90									Central Illinois Public Service Co.	Mc.
91			100	120		75				Mc.
92	Private		160	150		115	.20	.10		Mc. C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## ILLINOIS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
93	Lena Electric Light & Power Co.	GD	Lena and Pearl City	Lena	Lena	
94	Le Roy Electric Light, Power & Heating Co.	D	Le Roy and Dawns	Le Roy		
95	Lewistown Electric Co.	GD	Lewistown	Lewistown	Lewistown	
	Light & Development Co. of St. Louis.	H				
96	Monmouth Public Service Co.	GD	Monmouth and Kirkwood	Monmouth	Monmouth	
97	Lincoln Park Commissioners	D	Lincoln Park Boulevards	Chicago		
98	Louisville Electric Light & Water Plant	GD	Louisville	Louisville	Louisville	
99	Lovington Electric Light & Power Co.	GD	Lovington	Lovington	Lovington	
100	Mackinaw Electric Light Plant	D	Mackinaw	Mackinaw	Mackinaw	
101	Mansfield Electric Co.	GD	Mansfield	Mansfield	Mansfield	
102	Marengo Public Service Co.	GD	Marengo	Marengo	Marengo	
103	Maroa Electric Light Co.	D	Maroa	Maroa	Maroa	
104	Matherville Light & Power Co.	D	Matherville	Matherville		
	Middle West Utilities Co.	H				
105	Central Illinois Public Service Co.		Jonesboro and Anna	Anna	Anna	
106	Do.		Astoria	Astoria	Astoria	
107	Do.		Augusta	Augusta	Augusta	
108	Do.		Barry	Barry	Barry	
109	Do.		Beardstown	Beardstown	Beardstown	
110	Do.		Blue Mound	Blue Mound	Blue Mound	
111	Do.		Bluffs	Bluffs	Bluffs	
112	Do.		Bridgeport	Bridgeport	Bridgeport	
113	Do.		Camp Point	Camp Point	Camp Point	
114	Do.		Carbondale	Carbondale	Carbondale	
115	Do.		Carrollton	Carrollton	Carrollton	
116	Do.		Carthage	Carthage	Carthage	
117	Do.		Charleston	Charleston	Charleston	
118	Do.		Clayton	Clayton	Clayton	
119	Do.		Edinburg	Edinburg	Edinburg	
120	Do.		Findlay	Findlay	Findlay	
121	Do.		Harrisburg	Harrisburg	Harrisburg	
122	Do.		Havana	Havana	Havana	
123	Do.		Herrin, West Frankfort, Cartersville.	Herrin	Herrin	
124	Do.		Ipava	Ipava	Ipava	
125	Do.		Jerseyville	Jerseyville	Jerseyville	
126	Do.		Johnson City	Johnson City	Johnson City	
127	Do.		Kansas	Kansas	Kansas	
128	Do.		Lawrenceville	Lawrenceville	Lawrenceville	
129	Do.		McComb, Bushnell, Plymouth.	McComb	McComb	
130	Do.		Marion	Marion	Marion	
131	Do.		Mattoon	Mattoon	Mattoon	
132	Do.		Meredosia	Meredosia	Meredosia	
133	Do.		Mounds	Mounds	Mounds	
134	Do.		Mount Sterling	Mount Sterling	Mount Sterling	
135	Do.		Moweaqua	Moweaqua	Moweaqua	
136	Do.		Newman	Newman	Newman	
137	Do.		Oakland, Ashmore, and Kansas.	Oakland	Oakland	
138	Do.		Olney	Olney	Olney	
139	Do.		Pana and Assumption	Pana	Pana	
140	Do.		Paris	Paris	Paris	
141	Do.		McLean, Ford, and Froquois	Paxton	Paxton	
142	Do.		Pittsfield, Griggsville, Maysville.	Pittsfield	Pittsfield	
143	Do.		Robinson	Robinson	Robinson	
144	Do.		Roodhouse	Roodhouse	Roodhouse	
145	Do.		Roseville	Roseville	Roseville	
146	Do.		Rushville	Rushville	Rushville	
147	Do.		St. Elmo	St. Elmo	St. Elmo	
148	Do.		Sullivan	Sullivan	Sullivan	
149	Do.		Taylorville, Auburn, Nekomis, Pawnee.	Taylorville	Taylorville	
150	Do.		Tolono	Tolono	Tolono	
151	Do.		Tower Hill	Tower Hill	Tower Hill	
152	Do.		Tuscola	Tuscola	Tuscola	
153	Do.		Versailles	Versailles	Versailles	
154	Do.		Villa Grove and Girard	Villa Grove	Villa Grove	
155	Do.		Virginia	Virginia	Virginia	
156	Do.		Waverly	Waverly	Waverly	
157	Central Illinois Utilities Co.		Livingston County	Watseka	Watseka	
158	Freeport Railway & Light Co.	GTD	Freeport	Freeport	Freeport	Pecatonica
159	Illinois Northern Utilities Co.	GD	Boone, Kane, Dekalb, McHenry Counties.	Belvidere	Belvidere	
160	Do.	GD	Ogle, Lee, Boone Counties.	Dixon	Dixon	
161	Do.	GD	Whiteside County	Fourteenth Avenue	Sterling	
162	Do.	GD	Geneseo	Geneseo	Geneseo	
163	Do.	GD	Harvard	Harvard	Harvard	
164	Do.	GD	Dekalb, Kendall, La Salle Counties.	Mendota	Mendota	
165	Do.	GD	Ohio	Ohio	Ohio	
166	Do.	GD	McHenry, La Salle Counties	Oregon	Oregon	Rock River
167	Do.	GD	Whiteside, Dekalb Counties.	Sterling No. 1	Sterling	do.
168	Do.	GD	Walnut	Walnut	Walnut	
169	(Lessor, Rock River Light & Power Co.)	L	Henry County	Government dam	Sterling	Rock River
170	Tri-County Light & Power Co.	D	Aledo, Alpha, Alexis, Arpee, Woodhull, Rio, New Windsor, Viola, Seaton, New Boston, and Joy.	Aledo		
171	Moline Water Power Co.			Moline		
172	Momence Utilities Co.	GD	Momence	Momence	Momence	
173	Moore & Gayton Light Plant		Rockton	Rockton		Rock River
174	Mount Carmel Public Utility & Service Co.	GD	Mount Carmel	Mount Carmel	Mount Carmel	
175	Mount Carroll Electric Light Co.	GD	Mount Carroll	Mount Carroll	Mount Carroll	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## ILLINOIS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
93	Private.....		200	250		175	\$0.12 - \$0.08	\$0.10 - \$0.04		Mc. C.
94							.20 - .05	.10 - .0475	Bloomington & Normal Railway & Light Co.	Mc. C.
95			200	200		150	.11 - .085		Canton Gas & Electric Co.	Mc. C.
96	Private.....		1,200	870		800	.10 - .03	.08 - .025		M. Mc. C.
97									Sanitary District of Chicago.	Mc.
98	Private.....		250	205		125	.15			Mc. C.
99	Do.....		300	210		190	.15	.10		C.
100	Private.....						.125- .08	.125- .04	Illinois Traction System.	Mc. C.
101	Do.....		200	210		60				Mc. C.
102	Do.....		250	225		150	.135- .08	.08 - .06		Mc. C.
103									Illinois Traction Co.	Mc. C.
104									Rock Island Southern Railway Co.	Mc.
105	Private.....		525	1,500		665				M. Mc. C.
106			200	200		200				Mc.
107			100	90		55				Mc.
108			125	125		120				Mc.
109			300	970		820				Mc.
110			250	150		160				Mc.
111			85	85		45				Mc.
112			150	80		75				Mc.
113			65	65		75				Mc.
114			500	100		300				Mc.
115			450	240		210				Mc.
116			300	150		125				Mc.
117			600	500		270				Mc.
118			100	80		60				Mc.
119			200	(90)		56				Mc.
120	Private.....		80	100		75				Mc. C.
121			375	400		250	.10	.10 - .03		Mc.
122			450	330		230				Mc.
123			300	970		730				Mc.
124			175	125		75				Mc.
125			425	400		175				Mc.
126			375		250	180				Mc.
127			100	100		60				Mc.
128			200	100	235	275				Mc.
129			600	460		425				Mc.
130			500	750		630				Mc.
131			1,525	1,500		1,575				Mc.
132			100	100		30				Mc.
133			1,050	1,200		140				Mc.
134			180	140		108				Mc.
135			360	315		325				Mc.
136			200	(150)		100				Mc.
137			180	200		160				Mc.
138			700	400		370				Mc.
139			500	400		360				Mc.
140			750	1,470		1,040				Mc.
141	Private.....		475	600		470	.12 - .05	.08 - .02		Mc. M. C.
142			200	200		240				Mc.
143					500	400				Mc.
144			200	250		190				Mc.
145			125	(100)		75				Mc.
146			270	250		180				Mc.
147			300	175		90				Mc.
148			200	380		475				Mc.
149			1,600	1,100	1,000	850				Mc.
150			100	75		75				Mc.
151			80	60		45				Mc.
152	Private.....		550	650		550				Mc. C.
153			50	50		60				Mc.
154			250	(160)		100				Mc.
155			200	100		85				Mc.
156			75	60		30				Mc.
157	Private.....		1,200	2,350		1,750	.10 - .05	.08 - .02		Mc. C.
158	Do.....	1,000	1,450	2,000		2,050	.135- .07	.10 - .01	Illinois Northern Utilities Co.	Mc. C.
159	Do.....		1,050	850		515	.135- .07	.10 - .03	Public Service Co. of Northern Illinois.	Mc. C.
160	Do.....	900	400	250		800	.15 - .135	.10 - .03	do.	Mc. C.
161	Do.....		400	790		500	.15 - .08	.10 - .03		Mc. C.
162	Do.....		160	275		140	.135- .075	.15 - .05		M. Mc. C.
163	Do.....				550	350	.14 - .065	.08 - .04	Public Service Co. of Northern Illinois.	Mc. C.
164	Do.....		500	515		325	.13 - .09	.10 - .03	do.	Mc. C.
165	Do.....		150	60		60	.15 - .10	.15 - .04		Mc. C.
166	Do.....	360	325	500		600	.135	.10 - .03	Freeport Railway & Light Co.	Mc. O. C.
167	Do.....	170	185	450		600	.135	.10 - .03	Clinton Gas & Electric Co.	Mc. C.
168	Do.....		90	100		50	.15 - .10			Mc. C.
169	Government.....	2,200				1,800	.135	.10 - .03		Mc. O. C.
170									Edwards River Power Co.	Mc.
171										O.
172			450	450		300				Mc.
173	Private.....	80			35	30	.08 - .10			C.
174	Do.....		600	500		375	.08 - .04	.03		M. Mc. C.
175	Do.....		120	240		140	.20 - .11	.11		Mc. C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## ILLINOIS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
176	Mount Pulaski Electric Light & Power Co.	GD	Mount Pulaski and Kenney.	Mount Pulaski.	Mount Pulaski.	
177	Murphysboro Waterworks & Electric & Gas Light Co.	GD	Murphysboro.	Murphysboro.	Murphysboro.	
178	Nashville Electric Light Co.	GD	Washington County.	Nashville.	Nashville.	
179	National Gas, Electric Light & Power Co.	H				
179	Quincy Gas, Electric & Heating Co.	GD	Quincy.	Quincy.	Quincy.	
180	Nauvoo Electric Light & Power Co.	D	Nauvoo.	Nauvoo.	Nauvoo.	
	New Jersey General Sec. Co.	H				
181	Lincoln Water & Light Co.	GD	Lincoln.	Lincoln.	Lincoln.	
182	Northwestern Barb Wire Co.	GTD	Rock Falls.	Rock Falls.		
183	Odin Coal Co. Light Plant.	GD	Odin.	Odin.	Odin.	
184	Okawville Light & Ice Co.		Okawville.	Okawville.	Okawville.	
185	Palmyra Electric Light Plant.	GD	Palmyra.	Palmyra.	Palmyra.	
186	Panton, V. W.	GD	South Elgin.	South Elgin.	South Elgin.	Fox River.
187	Pecatonica Electric Light Co.	GD	Pecatonica.	Pecatonica.	Pecatonica.	
188	Peoples Gas & Electric Co.	GD	Savanna and Sabula, Iowa.	Savanna.	Savanna.	
189	Peotone Electric Co.	D	Peotone.	Peotone.	Peotone.	
190	Pinckneyville Light, Ice & Power Co.	GD	Pinckneyville.	Pinckneyville.	Pinckneyville.	
191	Public Service Co. of Northern Illinois.	GD	Northern Illinois.	Blue Island.	Blue Island.	
192	Do.	GD	do.	Cornell.	Cornell.	
193	Do.	GD	do.	Evanston.	Evanston.	
194	Do.	GTD	do.	Joliet.		
195	Do.	GTD	do.	Kankakee.		
196	Do.	GTD	do.	Lacon.	Lacon.	
197	Do.	GTD	do.	Maywood.	Maywood.	
198	Do.	GTD	do.	Oak Park.	Oak Park.	
199	Do.	GTD	do.	Pontiac.	Pontiac.	
200	Do.	GTD	do.	St. Anne.	St. Anne.	
201	Do.	GTD	do.	Streator.	Streator.	
202	Do.	GTD	do.	Waukegan.	Waukegan.	
203	Do.	GTD	do.	Wilmington.		
204	Robinson Water, Light & Heat Co.			Robinson.		
205	Rock Island Southern Ry. Co.	HGD		Matherville.	Matherville.	
206	Rock Island Southern R. R. Co.	GD		Cameron.	Cameron.	
207	Rossville Electric Light Co.	D	Rossville.	Rossville.	Rossville.	
208	Royal Light & Power Co.	GD	Delavan.	Delavan.	Delavan.	
209	Sanitary District of Chicago.	GTD	Cook County.	Lockport.	Lockport.	
210	Sorento Electric Light Co.	GD	Sorento.	Sorento.	Sorento.	
211	Southern Illinois Light & Power Co.	GD	Madison and St. Clair Counties.	Collinsville.	Collinsville.	
212	Do.	GD	Macoupin County.	Gillespie.	Gillespie.	
213	Do.	GD	Greenville.	Greenville.	Greenville.	
214	Do.	GD	Montgomery and Bond Counties.	Hillsboro.	Hillsboro.	
215	Do.	GD	do.	Morrisville.	Morrisville.	
216	Do.	GD		O'Fallon.	O'Fallon.	
217	Eldorado Light & Power Co.	GD	Eldorado.	Eldorado.	Eldorado.	
218	Southern Illinois Railway & Power Co.	GT	Central Illinois Public Service Co.	Muddy.	Muddy.	
219	South Park Commissioners.	GD	Chicago.	Chicago.	Chicago.	
220	Sparta Gas & Electric Co.	GD	Sparta.	Sparta.	Sparta.	
221	Spring Valley Utilities Co.	GD	Bureau County.	Buda.	Buda.	
222	Stark County Power Co.	GD	Wyoming and Bradford.	Wyoming.	Wyoming.	
223	Stewart Electric Light & Water Co.	GD	Steward.	Steward.	Steward.	
224	Stockton Electric Co.	GD	Stockton.	Stockton.	Stockton.	
	Stone & Webster.	M				
225	Dallas City Light Co.	D	Dallas and Pontoosuc.	Dallas City.	Dallas City.	
226	Stronghurst Electric Light Plant.	GD	Stronghurst.	Stronghurst.	Stronghurst.	
227	Thies, F. W., Light Plant.	GD	Steeleville.	Steeleville.	Steeleville.	
228	Toulon Light & Power Co.	GD	Toulon.	Toulon.	Toulon.	
229	Tyrone Electric Co.	D	Sesser, Christopher, North City.	Christopher.	Christopher.	
230	United Gas & Electric Co.	GD	Litchfield.	Litchfield.	Litchfield.	
	United Light & Railways Co.	H				
231	Moline, Rock Island Manufacturing Co.	GT	Moline, Hampton, Rapids City, Port, Byron, Carbon Cliff, Sears, Watertown, and Rock Island.	Moline.	Moline.	
232	Peoples Power Co.	D		do.		
233	Utica Electric Light & Power Plant.	GD	Utica.	Utica.	Utica.	
234	Warfel, A. L.	GD	Lanark.	Lanark.	Lanark.	
235	Warren Light & Power Co. (Inc.)	GD	Warren.	Warren.	Warren.	
236	Washburn Electric Light Co.		Woodford and Marshall Counties.	Washburn.	Washburn.	
237	Washburn Heat, Light & Power Co.	GD	Washburn, Wilburn & Low Point.	do.	do.	
238	Wataga Mills & Light Plant.	GD	Wataga.	Wataga.	Wataga.	
239	Wenona Light & Power Co.	GD	Wenona.	Wenona.	Wenona.	
240	West Chicago Park Commissioners.	D	West Chicago.	Chicago.		
241	Western United Gas & Electric Co.	GD	Dupage, Kane, and Kendall Counties.	Aurora.	Aurora.	
242	West Point Electric Co.	GD	West Point.	West Point.	West Point.	
243	Whitaker, Sidney, Light Plant.	GD	Granville, Mark, and Standard.	Granville.	Granville.	
244	Wilson, R. C., & Co., Limited Plant.	GD	Potomac and Henning.	Potomac.	Potomac.	
245	Winchester Electric Co.	D	Winchester.	Winchester.		
246	Wyanet Electric Light Co.	GD	Wyanet.	Wyanet.	Wyanet.	
247	Xenia Electric Light Co.	GD	Xenia.	Xenia.	Xenia.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## ILLINOIS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
176			160	125		180				Mc.
177			932	700		875				M. Mc.
178			400	400		400				Mc. C.
179			3,200	2,000		1,950	\$0.135-\$0.03	\$0.06-\$0.006	Mississippi River Power Co.	M. Mc. C.
180									do.	Mc. C.
181	Private		650	950		775	.11-.04	.09-.03		M. Mc. C.
182		200	100	100		120				Mc.
183			500	350		200				Mc.
184	Private		200	160		125	.125			C.
185	Do.		90	90		60	.10			Mc. C.
186	Do.	80				35	.10			Mc. C.
187			90	150		90				Mc.
188			750	700		525	.15-.06	.06-.02		Mc. C.
189	Private						.16-.03	.16-.04	Chicago & Interurban Ry. Co.	Mc. C.
190	Do.		250	300		200				Mc. C.
191			9,200	29,330		22,000				M. Mc.
192			120	80		45				Mc.
193			1,280	1,000		645				M. Mc.
194		4,500	1,400	1,250		4,850				Mc.
195		800	750	1,020		1,600				Mc.
196			500	600		420				Mc.
197			1,750	(3,000)		2,250				M. Mc.
198			4,850	(5,000)		2,510				M. Mc.
199			690	1,050		950				M. Mc.
200			100	100		65				Mc.
201			1,000	1,500		3,375				M. Mc.
202			3,650	12,000		9,000				M. Mc.
203			300			200				Mc.
204										
205			4,000	4,000		3,000				M. Mc.
206			500	1,200		800				M. Mc.
207	Private						.14-.092	.03-.06	Hoopeston Gas & Electric Co.	Mc. C.
208			250	135		190	.15-.10			Mc. C.
209		32,000				28,000				Mc.
210			150	125		80				Mc.
211	Private		1,600	1,340		1,000				M. Mc. C.
212	Do.		400	402		305	.125-.06	.06-.02		Mc. C.
213	Do.									Mc. C.
214	Do.		1,716	2,350		1,750				Mc. C.
215	Do.		170	170		100				Mc. C.
216	Do.		200	134		100				Mc. C.
217	Do.		300	150		150	.10	.05		Mc. C.
218	Do.		1,600	2,500		2,500				M. Mc. C.
219	Do.		1,050	1,470		1,100			Sanitary District of Chicago	Mc. C.
220	Do.		230	300		300	.10-.08	.07-.02		Mc. C.
221			85	80		50	.15-.03	.15-.03	Northern Illinois Light and Traction Co.	M. Mc. C.
222			300	450		400				Mc.
223					40	45				Mc.
224	Private		300	200		150	.15-.08	.08-.03		Mc. C.
225							.12-.02	.08-.02	Mississippi River Power Co.	M. Mc. C.
226	Private				65	30	.15-.08			Mc. C.
227			(40)	40		37½				Mc.
228	Private		230	175		125	.15-.075	.11-.045		Mc. C.
229	Do.						.10	.10-.018	Egyptian Electric Co.	Mc. C.
230	Do.		250	450		150	.13-.06	.13-.03		M.
231	Do.		7,900	42,000		21,600	.10	.06-.01	Moline Water Power Co.	M. Mc. C.
232									Moline-Rock Island Manufacturing Co.	M. C.
233			100	75		50				Mc.
234			140	100		60				Mc.
235			200	200		225				Mc.
236	Private		175	200		125	.15-.08			C.
237			175	175		125				Mc.
238			75	55		35				Mc.
239	Private		160	250		175	.135-.09	.10-.03		Mc. C.
240									Sanitary District of Chicago	Mc.
241	Private		3,500	4,288		3,200	.10-.04	.0175	Aurora, Elgin & Chicago R. R. Co.	M. Mc. C.
242					35	25				Mc.
243			160	210		135	.15-.07	.05-.03		Mc. C.
244			100	90		50				Mc.
245									White-Hall Sewer Pipe & Stoneware Co.	Mc.
246	Private		150	125		50	.10	.05	Spring Valley Utilities Co.	Mc. C.
247			85	66		37½				Mc.
Total, A.		48,650	314,338	806,736	3,852	628,363				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## ILLINOIS—Continued.

## B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
248		GD	Altamont	Altamont	Altamont	
249		D	Ashland	Ashland	Ashland	
250		GD	Ashley	Ashley	Ashley	
251		GD	Atkinson	Atkinson	Atkinson	
252		GD	Aurora	Aurora	Aurora	
253		GD	Bath	Bath	Bath	
254		GD	Bloomington	Bloomington	Bloomington	
255		GD	Bunker Hill	Bunker Hill	Bunker Hill	
256		GD	Byron	Byron	Byron	
257		GD	Carlyle	Carlyle	Carlyle	
258		GD	Carmi	Carmi	Carmi	
259		GD	Casey	Casey	Casey	
260		GD	Catlin	Catlin	Catlin	
261		GD	Chadwick	Chadwick	Chadwick	
262		GD	Chandlerville	Chandlerville	Chandlerville	
263		GD	Columbia	Columbia	Columbia	
264		GD	Cowden	Cowden	Cowden	
265		GD	Decatur	Decatur	Decatur	
266		GD	Divernon	Divernon	Divernon	
267		GD	Downers Grove	Downers Grove	Downers Grove	
268		D	East Dubuque	East Dubuque	East Dubuque	
269		GD	Elburn	Elburn	Elburn	
270		GD	Fairfield	Fairfield	Fairfield	
271		GD	Farmers City	Farmers City	Farmers City	
272		GD	Fisher	Fisher	Fisher	
273		GD	Flora	Flora	Flora	
274		D	Forest Park	Forest Park	Forest Park	
275		GD	Freeburg	Freeburg	Freeburg	
276		GD	Galesburg	Galesburg	Galesburg	
277		GD	Geneva	Geneva	Geneva	
278		GD	Grayville	Grayville	Grayville	
279		GD	Greenup	Greenup	Greenup	
280		GD	Highland	Highland	Highland	
281		GD	Hinsdale	Hinsdale	Hinsdale	
282		GD	Ladd	Ladd	Ladd	
283		GD	La Salle	La Salle	La Salle	
284		GD	Lebanon	Lebanon	Lebanon	
285		D	Lockport	Lockport	Lockport	
286		GD	Lovington	Lovington	Lovington	
287		GD	Mattoon	Mattoon	Mattoon	
288		GD	McLeansboro	McLeansboro	McLeansboro	
289		GD	Manito	Manito	Manito	
290		D	Maple Park	Maple Park	Maple Park	
291		GD	Marissa	Marissa	Marissa	
292		GD	Marshall	Marshall	Marshall	
293		GD	Mascoutah	Mascoutah	Mascoutah	
294		GD	Mason City	Mason City	Mason City	
295		GD	Metropolis	Metropolis	Metropolis	
296		GD	Millstadt	Millstadt	Millstadt	
297		GD	Minier	Minier	Minier	
298		GD	Mount Olive	Mount Olive	Mount Olive	
299		GD	Naperville	Naperville	Naperville	
300		GD	New Athens	New Athens	New Athens	
301		GD	Newton	Newton	Newton	
302		GD	Oquawka	Oquawka	Oquawka	
303		GD	Palestine	Palestine	Palestine	
304		D	Paris	Paris	Paris	
305		GD	Peru	Peru	Peru	
306		GD	Princeton	Princeton	Princeton	
307		GD	Rantoul	Rantoul	Rantoul	
308		GD	Red Bud	Red Bud	Red Bud	
309		GD	Roberts	Roberts	Roberts	
310		GD	Rochelle	Rochelle	Rochelle	
311		GD	Rock Falls	Rock Falls	Rock Falls	
312		GD	St. Charles	St. Charles	St. Charles	
313		GD	Salem	Salem	Salem	
314		GD	Shawneetown	Shawneetown	Shawneetown	
315		GD	Shelbyville	Shelbyville	Shelbyville	
316		D	Sherrard	Sherrard	Sherrard	
317		GD	Springfield	Springfield	Springfield	
318		GD	Staunton	Staunton	Staunton	
319		GD	Stonington	Stonington	Stonington	
320		GD	Sullivan	Sullivan	Sullivan	
321		GD	Swansea	Swansea	Swansea	
322		GD	Table Grove	Table Grove	Table Grove	
323		GD	Toledo	Toledo	Toledo	
324		GD	Troy	Troy	Troy	
325		GD	Vandalia	Vandalia	Vandalia	
326		GD	Vermont	Vermont	Vermont	
327		GD	Waterloo	Waterloo	Waterloo	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## ILLINOIS—Continued.

## B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
248	Private.....		300	225		175	\$0.08	\$0.08	Abbott Light & Power Co.....	Mc. C.
249										Mc. C.
250			140	125		80				Mc.
251	Private.....		240	100		80	.10			Mc. C.
252			1,170	600		400				Mc.
253					25	20				Mc.
254			720	(900)		615				Mc.
255	Private.....		200	100		60	.125			Mc. C.
256					80	(50)				Mc.
257			375	335		225				Mc.
258			500	300		210				Mc.
259			300	350		230				Mc.
260			200	150		80				Mc.
261			75	60		55				Mc.
262			100	80		50				Mc.
263			225	60		75				Mc.
264			100	70		(50)				Mc.
265	Private.....		900	2,060		600				Mc. C.
266			130	120		75				Mc.
267			320	125		90				Mc.
268									Union Electric Co.....	Mc.
269					30	20				Mc.
270			160	165		110				Mc.
271			200	205		125				Mc.
272			120	100		75				Mc.
273			350	250		160				Mc.
274	Private.....								Sanitary District of Chicago.....	Mc. C.
275			150	125		100				Mc.
276			600	500		250				Mc.
277	Private.....		310	700		400	\$0.15 - .10	\$0.09 - .04		Mc. C.
278			100	130		100				Mc.
279	Private.....		100	125		75	.10 - .07			Mc. C.
280			400	300		330				Mc.
281			400	700		500	.133			Mc. C.
282			140	150		60	.125- .075	.125- .075	Spring Valley Utilities Co.....	Mc. C.
283			550	150		(100)				Mc. C.
284	Private.....		230	225		200	.10			Mc. C.
285										Mc.
286			300	215		125			Public Service Co. of Northern Illinois.	Mc.
287	Private.....		300	300		150				C.
288			200	375		300				Mc.
289			80	50		50				Mc.
290	Private.....				20	14				Mc. C.
291			300	300		160	.10			Mc. C.
292			450	225		115				Mc. C.
293	Private.....		200	225		272½	.10 - .07	.06 - .02		Mc. C.
294	Do.....		200	100		70				Mc. C.
295	Do.....		450	585		370	.075- .03	.05 - .025		Mc. C.
296			120	100		75				Mc.
297	Private.....		160	150		100				Mc. C.
298			490	275		180				Mc.
299	Private.....		500	640		350	.10 - .075	.05		Mc. C.
300			300	125		150	.10 - .07			Mc. C.
301	Private.....		250	331		180	.10	.10 - .03		Mc. C.
302	Do.....		125	75		33½	.12			Mc. C.
303			100	100		60			Central Illinois Public Service Co.	Mc.
304										Mc. C.
305			600	400		650				Mc.
306	Private.....		450	320		235	.15 - .06	.15 - .06		Mc. C.
307			200	200		125				Mc.
308			125	125		60				Mc.
309					45	33				Mc.
310			450	450		250				Mc.
311	Private.....		400	325		185	.13	.05 - .025		C.
312	Do.....		450	400		250	.10	.06 - .04		Mc. C.
313			300	400		200				Mc.
314			220	150		100	.125- .08			Mc. C.
315			450	490		480			Edwards River Power Co.....	Mc.
316										O. Mc.
317			900	750		150				Mc.
318										Mc.
319			200	160		150				Mc. C.
320	Private.....		300	80		80				Mc. C.
321			100	100		60				Mc. C.
322			(100)	85		45				Mc.
323			100	205		125				Mc.
324			180	175		100				Mc.
325			300	375		150				Mc.
326			200	150		120				Mc.
327			300	235		150				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## ILLINOIS—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
328		GD	Weldon	Weldon	Weldon	
329		GD	Western Springs	Western Springs	Western Springs	
330		GD	Winnetka	Winnetka	Winnetka	
331		GD	Woodstock	Woodstock	Woodstock	

## C.—ALL OTHER PLANTS.

332	Chicago surface lines	II				
	Chicago Rys. Co.	G	Electric railways	California Avenue	Chicago	
333	Do.		do.	Western Avenue	do.	
334	Chicago & West Towns Ry. Co.	G	do.	Oak Park	Oak Park	
335	Galesburg & Kewanee Electric Ry. Co.	G	do.	Wethersfield	Wethersfield	
	Illinois Traction Co.	H				
336	Chicago, Ottawa & Peoria Ry. Co.		do.	Ottawa		
337	Quincy Ry. Co.	G	do.	Quincy	Quincy	
338	Kankakee Electric Ry. Co.	G	do.	Kankakee, No. 1	Kankakee	
339	Do.		do.	Kankakee, No. 2		
340	Lincoln Railway & Heating Co.	G	do.	Lincoln	Lincoln	
341	Peoria Railway Terminal Co.	G	do.	South Bartonville	South Bartonville	
	St. Louis, Iron Mountain & Southern Ry. Co.	II				
342	Coal Belt Electric Ry. Co.	G	do.	Fordville	Fordville	
343	Sterling Hydraulic Co.			Sterling	Sterling	
344	United States Arsenal	G		Rock Island	Rock Island	Mississippi River

## INDIANA.

## A.—PUBLIC UTILITY PLANTS.

1	Akron Light, Heat & Power Co.	GD	Akron	Akron	Akron	
2	Albany Water & Light Co.	GD	Albany	Albany	Albany	
	American Gas & Electric Co.	H				
3	Indiana General Service Co.	GD	Alexandria and vicinity	Elwood	Elwood	
4	Marion Light & Heating Co.	GD	Marion and vicinity	Marion	Marion	
5	Montpelier Utilities Co.	GD	Montpelier	Montpelier	Montpelier	
6	Muncie Electric Light Co.	GD	Muncie and Eaton	Muncie	Muncie	
	American Public Utilities Co.	H				
7	Merchants Heat & Light Co.	GD	Indianapolis	Indianapolis	Indianapolis	
8	Valparaiso Lighting Co.	GD	Valparaiso	Valparaiso	Valparaiso	
	American Water Works & Electric Co.	H				
9	Mount Vernon Electric Light & Power Co.	GD	Mount Vernon	Mount Vernon	Mount Vernon	
	Barstow, W. S., & Co.	M				
10	City Electric Lighting Co.	GD	Vincennes	Vincennes	Vincennes	
11	Vincennes Electric Co.	GD	do.	do.	do.	
12	Batesville Electric Light & Power Co.	GD	Batesville and Oldenburg	Batesville	Batesville	
13	Berne Electric Light Co.	GD	Berne	Berne	Berne	
14	Bicknell Light & Power Co.	GD	Bicknell	Bicknell	Bicknell	
15	Booneville Electric Light & Power Co.	GD	Booneville	Booneville	Booneville	
16	Brenan, F. F., Light Plant	D	Carthage	Carthage		
17	Brookville Electric Co.	GD	Brookville	Brookville	Brookville	
18	Brown, R. A., Light Plant	GD	Gaston	Gaston	Gaston	
19	Browne Mills Electric Co. (Inc.)	GD	North Manchester	North Manchester	North Manchester	
20	Brownstown Water & Light Co.	GD	Brownstown	Brownstown	Brownstown	
21	Bluffton, Geneva & Celina Traction Co.	D	Bluffton	Bluffton		
22	Cayuga Electric Co.	GD	Cayuga and Newport	Cayuga	Cayuga	
23	Chrisney Electric Light Co.	GD	Chrisney	Chrisney	Chrisney	
24	Churubusco Water & Light Co.	GD	Churubusco	Churubusco	Churubusco	
25	Cicero Light & Power Co.	D	Cicero	Cicero		
26	Citizens Electric Co.	D	Greenfield	Greenfield	Greenfield	
27	Citizens Heat, Light & Power Co.	D	Winchester and vicinity	Winchester		
28	Chicago, Lake Shore & South Bend Ry. Co.	GTD		Michigan City	Michigan City	
29	Clay City Lighting Co.	GD	Clay City	Clay City	Clay City	
30	Claypool Electric Light Co.			Claypool		
31	Clinton Electric Light & Power Co.	GD	Clinton	Clinton	Clinton	
	Commonwealth Power Railway & Light Co.	H				
32	Evansville Public Service Co.	D	Evansville and Howell	Evansville		
33	Public Utilities Co.	GTD		do.		
34	Converse Light & Power Co.	GD	Converse	Converse	Converse	
35	Covington Light & Water Co.		Covington	Covington		
36	Crawfordsville Electric Light & Power Co.			Crawfordsville		
37	Danville, Light, Heat & Power Co.	GD	Danville and vicinity	Danville	Danville	
38	Dorsey Light, Heat & Power Co.	GD	Shelbyville	Shelbyville	Shelbyville	
39	Electric Light & Power Plant	GD	Topeka	Topeka	Topeka	
40	Electric Works Light Plant	GD	Washington	Washington	Washington	
41	Elnora Electric Co.	GD	Elnora	Elnora	Elnora	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## ILLINOIS—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
328	Private.....		50	50		27½	\$0.18			Mc. C.
329			250	100		100				Mc. C.
330	Private.....		790	950		780	\$0.11 - 0.07	\$0.08		Mc. C.
331	Do.....		450	500		475	.12 - .09	\$0.12 - .05		Mc. C.
	Total, B.....		22,195	20,706	200	13,661				

## C.—ALL OTHER PLANTS.

332			4,000	9,000		5,500				M.
333			9,600	15,000		8,850				M. Mc.
334	Private.....		3,300	4,330		3,250				M. Mc.
335	Do.....		700	950		600				M. Mc. C.
336										M.
337			1,264	2,500		1,425				M. Mc.
338			250	250		400				M. Mc.
339										M.
340			200	150		95				Mc. C.
341	Private.....		375	150		409				Mc. C.
342			900	500		600				M. Mc.
343		3,251								O.
344	Government.....	2,500				1,750			Moline Water Power Co.	C.
	Total, C.....	5,751	20,589	32,830		22,879				
	Grand total.....	54,401	357,122	860,272	4,052	664,903				

## INDIANA.

## A.—PUBLIC UTILITY PLANTS.

1		100	80		45					Mc.
2		200	150		60					Mc.
3		800	800		1,250	\$0.10 - \$0.05	\$0.07 - \$0.015			M. Mc. P.
4		2,360	2,330		2,000					M. Mc.
5	Private.....	300	160		125	.125 - .07	.07 - .04			Mc. C.
6		4,256	13,600		10,150					Mc. M.
7		15,000	24,000		17,140					M. Mc.
8		325	200		250					M. Mc.
9		400	500		435					M. Mc.
10		900	1,475		885					M. Mc.
11		300	320		230					M. Mc.
12		1,200	650		650					Mc.
13		250	200		56					Mc.
14		300	450		350					Mc.
15		675	400		300					Mc.
16									United States Board & Paper Co.	Mc.
17		150	125		85					Mc.
18		50	45		15					Mc.
19		200	575		400					Mc.
20		160	150		110					Mc.
21										M.
22		150	100		100					Mc.
23		125	50		(25)					Mc.
24		230	80		100					Mc.
25									Noblesville Heat, Light & Power Co.	Mc.
26									Greenfield City.....	Mc.
27				450	400					M. Mc.
28		12,000	10,000		9,500					M. Mc.
29		250	150		90					Mc.
30										
31		504	1,360		415					Mc.
32									Public Utilities Co.	M. Mc.
33		4,200	13,070		9,800	.075 - .038	.05 - .025			M. P.
34				(150)	90				Indiana Railways & Light Co.	Mc.
35										M.
36										
37		600	700		420					Mc.
38					35					Mc.
39				75	60					Mc.
40		800	700		700					Mc.
41	Private.....			50	30	.10				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## INDIANA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
42	Emanuel, Albert, Co.	M	Union City.	Union City.	Union City.	
43	Union City Electric Lighting Co.	GD	English.	English.	English.	
44	Evansville Railways Co.	HGD	Hatfield.	Hatfield.	Hatfield.	
45	Evansville & Eastern Electric Ry. Co.	GD	do.	do.	do.	
46	Ferdinand Electric Light Co.	GD	Ferdinand.	Ferdinand.	Ferdinand.	
47	Fort Branch Electric Light Co.	GD	Fort Branch.	Fort Branch.	Fort Branch.	
48	Fort Wayne & Northern Indiana Traction Co.	HGTD	Roanoke, Delphi, Lagro, Burrows, and Buck Creek.	Fort Wayne.	Fort Wayne.	
49	Do.		do.	Lafayette.	Lafayette.	
50	Wabash Valley Utilities Co.	D	Wells County.			
51	General Service Co.	GD	Lafayette.	Lafayette.	Lafayette.	
52	Greensburg Gas & Electric Co.	GD	Greensburg.	Greensburg.	Greensburg.	
53	Hanover Light & Power Co.	D	Hanover.	Hanover.	Hanover.	
54	Hawkes Electric Co.	GD	Goshen and vicinity.	Goshen.	Goshen.	Elkhart River.
55	Heise Bros. & Co., Light Plant.	GD	Orleans.	Orleans.	Orleans.	
56	Home Electric Co.	GD	Wakarusa.	Wakarusa.	Wakarusa.	
57	Home Electric Light Co.	GD	Holland.	Holland.		
58	Home Light & Water Co.	GD	Bloomfield.	Bloomfield.	Bloomfield.	
59	Huntingburg Electric Light Co.	GD	Huntingburg.	Huntingburg.	Huntingburg.	
60	Huntington Light & Fuel Co.	GD	Huntington.	Huntington.	Huntington.	
61	Hydro-Electric Light & Power Co.	GD	Connersville.	Connersville.	Connersville.	North Fork White Water.
62	Indiana Lighting Co.	D	Lafayette.	Lafayette.	Lafayette.	
63	Indiana & Michigan Electric Co.	GTD	Elkhart.	Elkhart.	Elkhart.	St. Joseph River.
64	Do.	GTD	South Bend.	South Bend.	South Bend.	
65	Indianapolis Light & Heat Co.	GD	Indianapolis and suburbs.	Indianapolis, No. 1.	Indianapolis.	
66	Indiana Railways & Light Co.	GTD	Kokomo and vicinity.	Kokomo.	Kokomo.	
67	Indiana Public Service Co.	GD	Aurora and Cochran.	Aurora.	Aurora.	
68	Indiana Utilities Co.	GTD	Angola, Hudson, and Waterloo.	Angola.	Angola.	
69	Indiana Water & Light Co.	GD	Worthington.	Worthington.	Worthington.	
70	Indianapolis & Louisville Traction Ry. Co.	GT	Scottsburg.	Scottsburg.	Scottsburg.	
71	Jasonville Water & Light Co.	GTD	Coalmont, Hymera, Jasonville.	Jasonville.	Jasonville.	
72	Knox Electric Light & Power Co.	D	Knox.	Knox.	Knox.	
73	Ladoga Light Co.	GD	Ladoga.	Ladoga.	Ladoga.	
74	Lagrange Electric Light Co.	GD	Lagrange, Ontario, Wolcottville, Rome City, Valentine.	Lagrange.	Lagrange.	
75	Do.	GD	do.	Ontario.	Ontario.	Pigeon River.
76	Lapel Electric Light Plant.			Lapel.		
77	Leesburg Light & Water Co.	D	Leesburg.	Leesburg.	Leesburg.	
78	Light, Heat & Power Co.	GD	Connersville.	Connersville.	Connersville.	
79	Logansport Heating Co.	GD	Logansport.	Logansport.	Logansport.	
80	Loogootee Electric Light, Power & Water Works Co.	GD	Loogootee.	Loogootee.	Loogootee.	
81	Lyon & Greenleaf Light Plant.	GD	Ligonier.	Ligonier.	Ligonier.	
82	Liberty Light & Power Co.	D	Liberty and Richmond.			
	McCasky, W. T., & Co.	M				
83	Central Indiana Water, Light, Heat & Power Plant.	D	Francesville, Monon, Medaryville.	Francesville.		
84	Dugger Electric Light & Power Plant.	GD	Dugger.	Dugger.	Dugger.	
85	Pike County Electric Light Plant.	GD	Petersburg.	Petersburg.	Petersburg.	
86	Zionsville Water & Electric Light Co.	D	Zionsville.	Zionsville.	Zionsville.	
87	Madison Light & Railway Co.	GTD	Madison.	Madison.	Madison.	
88	Marion & Bluffton Traction Co.	TD	Van Buren, Warren, Liberty Center.	Marion.		
89	Martinsville Gas & Electric Co.	GD	Martinsville.	Martinsville.	Martinsville.	
90	Martinsville Light, Heat, Power & Water Co.	GD	Morgantown, Brooklyn, and Martinsville.	do.		
91	Mentone Electric Light Plant.	D	Mentone.	Mentone.		
92	Middle West Utilities Co.	H				
93	Bedford Light, Heat, & Power Co.	GD	Bedford.	Bedford.	Bloomington.	
94	Central Indiana Lighting Co.	GD	Bloomington.	Bloomington.	Columbus.	
95	Do.		Columbus.	Columbus.	Corydon.	
96	Corydon Light & Water Co.	GD	Corydon.	Corydon.	Franklin.	
97	Franklin Water, Light & Power Co.	GD	Franklin.	Franklin.	Bedford.	
98	Interstate Public Service Co.	GD	Bedford.	Bedford.	Crown Point.	
99	Do.	GD	Crown Point and Lowell.	Crown Point.	Fowler.	
100	Do.	GD	Fowler.	Fowler.	Goodland.	
101	Do.	GD	Goodland.	Goodland.	Greenwood.	
102	Do.	GD	Greenwood.	Greenwood.	Lebanon.	
103	Do.	GD	Lebanon.	Lebanon.	Monticello.	
104	Do.	GD	Monticello.	Monticello.	Newcastle.	
105	Do.	GD	Newcastle.	Newcastle.	Remington.	
106	Do.	GD	Remington.	Remington.	Salem.	
107	Do.	GD	Salem.	Salem.	Seymour.	
108	Do.	GD	Seymour.	Seymour.	Shelbyville.	
109	Do.	GD	Shelbyville.	Shelbyville.	Charleston.	
110	Louisville & Northern Railway & Lighting Co.	GD	Charleston and Sellersburg.	Williams.	Williams.	East Fork White River.
111	Southern Indiana Power Co.	GD	Bedford, Oolitic, and Bloomington.			
112	United Gas & Electric Co.	GTD	New Albany and vicinity.	New Albany.	New Albany.	
	(Lessor, Indianapolis Col. & Southern Traction Co.).	L	Edinburg.	Edinburg.	Edinburg.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## INDIANA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
42			450	425		350			Greenville Light & Power Co.	Mc.
43			80	80		40				Mc.
44			800	1,670		500				Mc.
45			800	670		375				Mc.
46			50	52		120				Mc.
47			200	80		100				Mc.
48			4,900	29,330		22,000				Mc.
49			2,400	2,830		2,000				Mc.
50							\$0.10 - \$0.06	\$0.06-\$0.02	Fort Wayne & Northern Indiana Traction Co.	C. Mc.
51			2,000	2,000		1,600				M. Mc.
52					(680)	405				M.
53	Private	1,100	800	670		1,350	.06 - .045	.04- .0175	Madison Light & Railway Co.	Mc.
54			360	160		135				C. Mc.
55					75	30				Mc.
56					25	23				C. Mc.
57			450	285		225				Mc.
58			300	250		175				Mc.
59			1,000	1,200		900				M.
60	Private	375	500	670	380	1,125	.09 - .02	.02		C. Mc. P.
61										
62									Fort Wayne & North Indiana Traction Co.	M. Mc.
63		1,300				650	.11	.011- .06		M.O.P. Mc.
64			(11,000)	13,330		10,600				M. Mc.
65			12,100	40,900		30,200				Mc.
66			3,840	9,750		6,500				M. Mc.
67			250	350		320				M. Mc.
68			400	650		350				Mc.
69			200	110		75				Mc.
70			1,200	1,500		1,200				M. Mc.
71			450	450		300				M. Mc.
72									Plymouth Electric Light & Power Co.	Mc.
73			125	101		120				Mc.
74			140	150		235				Mc.
75	Private	260				240				Mc. P. C.
76										
77									Winona Interurban Ry. Co....	Mc.
78			960	1,145		840				M. Mc.
79			1,800	1,830		1,500				Mc.
80			200	200		180				Mc.
81			(400)	580		300				Mc.
82							.13 - .06	.05	Richmond Light, Heat & Power Co.	C. Mc.
83									Interstate Public Service Co....	Mc.
84					200	110				Mc.
85					225	150				Mc.
86										Mc.
87			550	825		650				M. Mc.
88									Marion Lighting & Heating Co.	Mc.
89			500	500		425				Mc.
90	Private		600	800		875	.03	.06 - .015		Mc. C.
91									Winona Interurban Ry. Co....	C. Mc.
92										M.
93			1,600	800		445				Mc.
94			250	1,670		1,250				M. Mc.
95			160	260		(150)				Mc.
96			400	500		400				M. Mc.
97			1,100	870		600				Mc.
98			350	450		300				Mc.
99			300	350		360				Mc.
100			175	150		120				Mc.
101			200	120		90				Mc.
102			1,450	300	650	720				Mc.
103		400	300	250		400	.10	.11 - .04		P. Mc.
104			1,048	1,300		800				Mc.
105			100	135		60				Mc.
106			225	125		100				Mc.
107			500	400		300				Mc.
108			1,000	900		675				Mc.
109			80	60		45			United Gas & Electric Co....	M. Mc.
110	Private	4,000	2,442	4,000		8,000	.10			Mc.M.O.C.
111			1,500	2,830		1,850				Mc.
112			3,300	3,300		2,100				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
INDIANA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
113	Mooresville Utilities Co.	D.	Mooresville.	Mooresville.	Mooresville.	
114	Morgantown Electric Light Co.	GD.	Morgantown.	Morgantown.	Morgantown.	
115	Mulberry Light & Power Co.	D.	Mulberry.	Mulberry.	Mulberry.	
116	Newburg Electric Light Plant.	GD.	Newburg.	Newburg.	Newburg.	
117	Noblesville Heat, Light & Power Co.	HGD.	Arcadia, Lapel, Noblesville.	Noblesville.	Noblesville.	
118	North Judson Electric Co.	D.	North Judson.	North Judson.	North Judson.	
119	Oakland City Electric Light & Power Co.	GD.	Oakland.	Oakland.	Oakland.	
120	Oldenburg Electric Light, Power & Water Works Co.	D.	Oldenburg.	Oldenburg.	Oldenburg.	
121	Owensville Light Co.	GD.	Owensville.	Owensville.	Owensville.	
122	Plymouth Electric Light & Power Co.	GD.	Plymouth, Walkerton, Culver.	Plymouth.	Plymouth.	
123	Poseyville Light & Power Co.	GD.	Poseyville.	Poseyville.	Poseyville.	
124	Princeton Light & Power Co.	GD.	Princeton.	Princeton.	Princeton.	
125	Pulse & Porter Electric Plant.	GD.	Hope.	Hope.	Hope.	
126	Putnam Electric Co.	GD.	Greencastle.	Greencastle.	Greencastle.	
127	Roachdale Electric Light & Power Co.	GD.	Roachdale and Bainbridge.	Roachdale.	Roachdale.	
128	Rochester Electric Light, Heat & Power Co.	GD.	Rochester and Argos.	Rochester.	Rochester.	
129	Rockport Water Works Co.	GD.	Rockport.	Rockport.	Rockport.	
130	Royal Electric Light Co. (Ltd.)	GD.	Royal Center.	Royal Center.	Royal Center.	
131	Sanderson, R. E., Light Plant.	GD.	Orland.	Orland.	Orland.	
132	Sheridan Water, Light & Heat Co.	GD.	Sheridan.	Sheridan.	Sheridan.	
133	Silver Lake Lighting Plant.	GD.	Silver Lake.	Silver Lake.	Silver Lake.	
134	Spencer Light, Power, Heat & Water Co.	GD.	Spencer and Gosport.	Spencer.	Spencer.	
135	Star Milling & Electric Co.	GD.	Howe.	Howe.	Howe.	
136	Sullivan Electric Co.	GD.	Farmersburg, Sullivan, and Shelburn.	Sullivan.	Sullivan.	
137	Summitville Electric Light & Power Co.	D.	Summitville.	Summitville.	Summitville.	
138	Syracuse Power & Light Co.	GD.	Syracuse and Milford.	Benton.	Benton.	
139	Terre Haute, Indianapolis & Eastern Traction Co.	HGTD.	Terre Haute, Brazil, Knightstown, Harmony, Staunton and Seelyville.	Brazil.		
140	Do.	HGTD.		Cherry Street.		
141	Do.	HGTD.		Mulberry Street.		
142	Do.	HGTD.		Richmond.	Richmond.	
143	Indianapolis & Eastern Ry. Co.	GD.		Greenfield.	Greenfield.	
144	Do.	GD.		Spring Lake.	Spring Lake.	
145	Indianapolis Traction & Terminal Co.	L.		Indianapolis.	Indianapolis.	
146	(Indianapolis & Northwestern Traction Co.)	L.		Lebanon.	Lebanon.	
147	Thompson, T. H., Co., Light Plant.			Milan.		
148	Union Traction Co. of Indiana.	GD.	Pendleton, Middletown, Summitville, Selma, Bunker Hill, Carmel, Yorktown, Atlanta.	Eaton.	Eaton.	
149	Do.	GD.		Newcastle.	Newcastle.	
150	Do.	GD.		Winchester.	Winchester.	
151	Traction Light & Power Co.	D.	Walton.	Anderson.	Anderson.	
152	Union Water, Light & Power Co.	GD.	Bourbon.	Bourbon.	Bourbon.	
153	Union Gas & Electric Corporation of Connecticut.	H.				
153	Richmond Light, Heat & Power Co.	GD.	Liberty Light & Power Co.	Richmond.	Richmond.	
154	United Light & Railways Co.	H.				
154	Laporte Gas & Electric Co.	GD.	Laporte & Westville.	Laporte.	Laporte.	
155	United Gas Improvement Co. (The).	H.				
155	Northern Indiana Gas & Electric Co.	GTD.	Hammond, Indiana Harbor, Whiting, and Michigan City.	Hammond.	Hammond.	
156	Do.	GTD.	do.	Michigan City.	Michigan City.	
157	United Service Co.	H.				
157	Wabash Water & Light Co.	GD.	Wabash.	Wabash.	Wabash.	
157	United States Steel Corporation.	HGT.	Gary Heat, Light & Water Co.			
158	Gary Heat, Light & Water Co.	D.	Gary.	Gary.	Gary.	
159	United States Board & Paper Co.			Carthage.		
160	Versailles Mill & Electric Co.	GD.	Versailles.	Versailles.	Versailles.	
161	Vincennes Traction Co.	HGD.		Seminary Street.	Vincennes.	
162	Vincennes Traction & Light Co.			Vincennes.		
163	Waynetown Electric Co.	D.	Waynetown.	Waynetown.		
164	West Baden Water, Light, Heat & Power Co.	GD.	West Baden.	West Baden.	West Baden.	
165	West Indiana Utilities Co. (Lessor, Brazil Electric Co.)	L.	Brazil.	Brazil.	Brazil.	
166	Winona Electric Light & Water Co.	GD.	Warsaw and Winona Lake.	Warsaw.	Warsaw.	
167	Winona Interurban Railway Co.	GD.	Leesburg, Chili, and Mentone.	Winona Lake.	Winona Lake.	
168	Zilick & Shafer Milling Co.	D.	Haubstadt.	Haubstadt.	Haubstadt.	

## B.—MUNICIPAL PLANTS.

169		GD.	Albion.	Albion.	Albion.	
170		GD.	Anderson.	Anderson.	Anderson.	
171		D.	Argos.	Argos.		
172		GD.	Ashley.	Ashley.	Ashley.	
173		GD.	Attica.	Attica.	Attica.	
174		GD.	Auburn.	Auburn.	Auburn.	
175		GD.	Bluffton.	Bluffton.	Bluffton.	
176		GD.	Bremen.	Bremen.	Bremen.	
177		GD.	Butler.	Butler.	Butler.	
178		GD.	Cambridge City.	Cambridge City.	Cambridge City.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## INDIANA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
113										Mc.
114			85	80		(50)				Mc.
115										Mc.
116			180	125		68				Mc.
117			650	1,050		825				M. Mc.
118							\$0.10	\$0.10 - \$0.033	Plymouth Electric Light Co...	Mc. C.
119			280	400		250				Mc.
120									Batesville Electric Light & Power Co.	Mc.
121			160	170		60				Mc.
122			340	775		550				Mc.
123			200	100		50				Mc.
124			920	1,160		825				Mc.
125			200	160		110				Mc.
126			500	400		320				M.
127			110	125		100				Mc.
128			800	1,000		300				M. Mc.
129			300	300		375				Mc.
130			100	125		50				Mc.
131		116				45				Mc.
132			300	150		175				Mc.
133			80	50		35				Mc.
134			300	325		225				M. Mc.
135	Private	140				105	\$0.10- .07			Mc. P. C.
136			800	600		450				M. Mc.
137									Union Traction Co. of Indiana.	Mc.
138		200	130	125		200				Mc.
139										M. Mc.
140			7,000	17,250		16,800				M. Mc.
141										M. Mc.
142			1,125	1,000		700				Mc.
143			3,000	3,350		2,500				M. Mc.
144			(1,000)	1,200		1,000				Mc.
145										Mc. M.
146										M.
147										
148			900	1,500		1,080				M. Mc.
149			1,200	4,000		3,000				M. Mc.
150			1,200	1,600		1,000				M. Mc.
151			6,400	10,830		5,000			Union Traction Co. of Indiana.	M. Mc.
152			80	175		105				Mc.
153			1,180	1,730		840				M. Mc.
154			2,000	2,330		1,662				M. Mc.
155			4,664	14,066		11,800			Chicago, Lake Shore & South Bend Ry. Co.	M. Mc.
156	Private		1,400	1,500		1,350	.10- .045	.08- .018	do.	M. C. Mc.
157			1,100	2,000		1,500				M. Mc.
158									Illinois Steel Co.	Mc.
159										
160			60	50		(30)				Mc.
161			450	400		300				Mc.
162										M.
163									Crawfordsville Electric Light & Power Co.	Mc. C.
164	Private		375	230		80				Mc. C.
165	do		500	450		450	.03	.08- .04	Terre Haute, Ind., and Eastern Traction Co.	Mc. C.
166			450	537		325				Mc.
167			1,200	1,200		1,200				M. Mc.
168										Mc.
Total, A		7,891	154,789	277,361	2,960	221,189				

## B.—MUNICIPAL PLANTS.

169			200	130		105				Mc.
170			1,550	2,455		1,937	\$0.06—\$0.03	\$0.04—\$0.015		Mc.
171									Rochester Electric Light, Heat & Power Co.	Mc.
172			80	60		35				Mc.
173			600	550		310				Mc.
174			700	610		400				Mc.
175			1,050	925		600				Mc.
176			350	225		150				Mc.
177					245	150				Mc.
178			300	375		300				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
INDIANA—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
179		GD	Cannelton	Cannelton	Cannelton	
180		D	Coatesville	Coatesville	Coatesville	
181		GD	Columbia City	Columbia City	Columbia City	
182		GD	Columbus	Columbus	Columbus	
183		GD	Covington	Covington	Covington	
184		GD	Waynetown, Linden, Crawfordsville.	Crawfordsville	Crawfordsville	
185		GD	Dana	Dana	Dana	
186		GD	Decatur	Decatur	Decatur	
187		GD	Edinburg	Edinburg	Edinburg	
188		GD	Etna Green	Etna Green	Etna Green	
189		GD	Fort Wayne	Fort Wayne	Fort Wayne	
190		GD	Frankfort	Frankfort	Frankfort	
191		D	Frankton	Frankton	Frankton	
192		GD	Garrett	Garrett	Garrett	
193		GD	Gas City	Gas City	Gas City	
194		GD	Goshen	Goshen	Goshen	
195		GD	Greenfield	Greenfield	Greenfield	
196		GD	Hagerstown	Hagerstown	Hagerstown	
197		GD	Hobart	Hobart	Hobart	
198		GD	Huntington	Huntington	Huntington	
199		GD	Jasper	Jasper	Jasper	
200		GD	Kendallville	Kendallville	Kendallville	
201		GD	Knightstown	Knightstown	Knightstown	
202		D	Lawrenceburg	Lawrenceburg	Lawrenceburg	
203		GD	Linton	Linton	Linton	
204		GD	Logansport	Logansport	Logansport	
205		D	Marion	Marion	Marion	
206		GD	Martinsville	Martinsville	Martinsville	
207		D	Middletown	Middletown	Middletown	
208		D	Mishawaka	Mishawaka	Mishawaka	
209		GD	Mitchell	Mitchell	Mitchell	
210		GD	Monroeville	Monroeville	Monroeville	
211		GD	Montezuma	Montezuma	Montezuma	
212		GD	Nappanee	Nappanee	Nappanee	
213		GD	Newcastle	Newcastle	Newcastle	
214		GD	New Harmony	New Harmony	New Harmony	
215		GD	North Vernon	North Vernon	North Vernon	
216		GD	Osgood	Osgood	Osgood	
217		GD	Oxford	Oxford	Oxford	
218		GD	Paoli	Paoli	Paoli	
219		D	Pendleton	Pendleton	Pendleton	
220		GD	Peru and Crow Hill	Peru	Peru	
221		GD	Piercetown	Piercetown	Piercetown	
222		GD	Portland	Portland	Portland	
223		GD	Rensselaer	Rensselaer	Rensselaer	
224		GD	Richmond	Richmond	Richmond	
225		GD	Rockville	Rockville	Rockville	
226		GD	Rushville	Rushville	Rushville	
227		D	Scottsburg	Scottsburg	Scottsburg	
228		GD	South Whitley	South Whitley	South Whitley	
229		GD	Tell City	Tell City	Tell City	
230		GD	Thorntown	Thorntown	Thorntown	
231		GD	Tipton	Tipton	Tipton	
232		GD	Veedersburg	Veedersburg	Veedersburg	
233		GD	Vevay	Vevay	Vevay	
234		D	Walkerton	Walkerton	Walkerton	
235		GD	Warren	Warren	Warren	
236		D	Waynetown	Waynetown	Waynetown	
237		GD	Williamsport	Williamsport	Williamsport	
238		GD	Winamac	Winamac	Winamac	

## C.—ALL OTHER PLANTS.

239	Chicago, New York Electric Air Line Ry. Co.	H				
240	Gary Interurban R. R. Co.	G	Electric railway	West Gary		
241	Consolidated Indiana Coal Co.	HG	Mining	Peerless mine	S. 18, T. 8 N., R. 8 W.	
242	Interstate Mining Co.	G	do	Glendora mine	S. 23, T. 8 N., R. 9 W.	
243	St. Clair Coal Co.	G	do	St. Clair mine	S. 25, T. 9 N., R. 9 W.	
244	Fort Wayne & Northwestern Ry. Co.	G	Electric railway	Kendallville	Kendallville	
245	Fort Wayne & Springfield Ry. Co.	G	Electric railways	Decatur	Decatur	
246	Indianapolis & Cincinnati Traction Co.	G	do	Rushville	Rushville	
247	Muncie & Portland Traction Co., The	G	Electric railway	Portland	Portland	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## INDIANA—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
179	Private.....		300	205		160	\$0.11-\$0.07	\$0.07-\$0.045		C. Mc.
180										Mc.
181			600	410		300				Mc.
182			600	330		150				Mc.
183			300	150		105				Mc.
184			1,050	1,330		1,000				Mc.
185			150	150		90				Mc.
186			1,100	800		300				Mc.
187			250	220		75				Mc.
188					40	28				Mc.
189			2,000	3,330		2,500				Mc.
190			1,300	1,000		1,000				Mc.
191									Indiana General Service Co.	Mc.
192			400	375		300				Mc.
193			400	400						Mc.
194			400	300		100				Mc.
195			500	(980)		585				Mc.
196			(100)	120		40				Mc.
197			300	400		225				Mc.
198			400	150		250				Mc.
199			400	520		375				Mc.
200			610	305		225				Mc.
201			350	330		(200)				Mc.
202										Mc.
203			550	600		500				Mc.
204		200	2,200	2,320		1,700				Mc.
205									Marion Light & Heating Co.	Mc.
206				150		110				Mc.
207									Union Traction Co. of Indiana.	Mc.
208									Indiana & Michigan Electric Co.	Mc.
209			300	250		100				Mc.
210			100	100		60				Mc.
211			250	150		100				Mc.
212			400	300		175				Mc.
213			450	450		(270)				Mc.
214			100	100		100				Mc.
215			450	500		260				Mc.
216			150	125		75				Mc.
217			250	125		90				Mc.
218			170	200		125				Mc.
219									Union Traction Co. of Indiana.	Mc.
220			1,000	1,100		700				Mc.
221	Private.....		100	95		90	.08- .06			Mc. C.
222			850	400		825				Mc.
223			350	300		350				Mc.
224			2,020	1,770		3,000				Mc.
225			300	350		180				Mc.
226						250				Mc.
227									Indianapolis & Louisville Traction Ry. Co.	Mc.
228			275	275		155				Mc.
229			550	300		200				Mc.
230			300	210		135				Mc.
231			1,000	750		450				Mc.
232			120	150		110				Mc.
233			250	250		160				Mc.
234									Plymouth Electric Light & Power Co.	Mc.
235			150	200		120				Mc.
236									Crawfordsville.	Mc.
237			200	(240)		145				Mc.
238			130	85		50				Mc.
Total, B.....		200	29,305	28,980	285	22,580				

## C.—ALL OTHER PLANTS.

239			400	1,330		1,000				M. Mc.
240	Private.....		600	(120)		250				C.
241	Do.....		600	(250)		150				C.
242	Do.....		600	(250)		150				C.
243			1,200	2,000		1,600				Mc.
244			680	675		450				M. Mc.
245			1,000	2,670		3,000				M. Mc.
246			600	600		600				M. Mc.
Total, C.....			5,680	8,195		7,200				
Grand total.....		8,091	189,774	314,536	3,245	250,969				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## IOWA.

## A.—PUBLIC UTILITY PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	Adel Light & Power Co.....	GD.....	Dallas County.....	Adel.....	Adel.....	No. Raccoon River.....
2	Akron Milling Co.....	GD.....	Akron.....	Akron.....	Akron.....	Big Sioux River.....
	American Gas Co., The.....	H.....				
3	Cedar Valley Electric Co.....	GD.....	Charles City.....	Charles City.....	Charles City.....	
4	Do.....		Clarksville.....	Clarksville.....	Clarksville.....	
5	Do.....	GD.....	Hampton.....	Hampton.....	Hampton.....	
6	Do.....	GD.....	Parkersburg.....	Parkersburg.....	Parkersburg.....	
7	Citizens Gas & Electric Co.....	GD.....	Waterloo.....	Waterloo.....	Waterloo.....	
8	Anita Electrical Light & Power Co.....	D.....	Anita.....	Anita.....	Anita.....	
9	Armstrong Cement Works.....	GD.....	Armstrong.....	Armstrong.....	Armstrong.....	
10	Audubon County Electric Co.....	GD.....	Audubon, Exira, Hamlin.....	Audubon.....	Audubon.....	
11	Bedford Light, Heat & Power Co.....	D.....	Bedford.....	Bedford.....	Bedford.....	
12	Bettendorf Improvement Co.....	D.....	Bettendorf.....	Bettendorf.....	Bettendorf.....	
13	Britt Light & Power Co.....	GD.....	Britt.....	Britt.....	Britt.....	
14	Buckley, George C.....	GD.....	Menlo.....	Menlo.....	Menlo.....	
15	Burlington Railway & Light Co., The.....	HGTD.....	Burlington and West Burlington.....	Burlington.....	Burlington.....	
16	Do.....	GD.....	Keoto.....	Keoto.....	Keoto.....	
17	What Cheer Electric Light & Power Co.....	D.....	What Cheer.....	What Cheer.....	What Cheer.....	
18	Burt Light & Power Co.....	GD.....	Burt.....	Burt.....	Burt.....	
	Byllesby, H. M., & Co.....	M.....				
19	Ottumwa Railway & Light Co.....	GTD.....	Ottumwa.....	Ottumwa.....	Ottumwa.....	
20	Cambridge Electric Light Co.....	D.....	Cambridge.....	Cambridge.....	Cambridge.....	
21	Camp, Charles C., Electric Light Plant.....	GD.....	Reinbeck.....	Reinbeck.....	Reinbeck.....	
22	Cantril Telephone & Electric Light Co.....	GD.....	Cantril.....	Cantril.....	Cantril.....	
23	Carroll Light & Heat Co.....	GD.....	Carroll.....	Carroll.....	Carroll.....	
24	Cascade Electric Light & Power Co.....	GD.....	Cascade.....	Cascade.....	Cascade.....	
25	Cedar Valley Power Co.....	GD.....	Nashua.....	Nashua.....	Nashua.....	
26	Centerville Light & Traction Co.....	GTD.....	Centerville.....	Centerville.....	Centerville.....	
27	Central Iowa Light & Power Co.....	HGD.....	Fort Dodge, Ankeny, Lehigh and vicinity.....	Fraser.....	Fraser.....	
28	Do.....	GD.....	Lake City.....	Lake City.....	Lake City.....	
29	Calhoun County Public Service Co.....	GD.....	Rockwell City.....	Rockwell City.....	Rockwell City.....	
30	Cherokee Electric Light Co.....	GD.....	Cherokee.....	Cherokee.....	Cherokee.....	
	Chicago, Rock Island & Pacific Ry. Co.....	H.....				
31	Consolidated Ind. Coal Co.....	GD.....	Des Moines and vicinity.....	Melcher.....	Melcher.....	
32	Citizens Light, Heat & Power Co.....	GD.....	Eagle Grove and Goldfield.....	Eagle Grove.....	Eagle Grove.....	
33	Clear Lake Electric Light & Power Co.....	GD.....	Clear Lake.....	Clear Lake.....	Clear Lake.....	
34	Clinton Gas & Electric Co. of Iowa.....	GD.....	Clinton and Jackson Counties.....	Clinton.....	Clinton.....	
35	Coin Electric Light & Power Co.....	D.....	Coin.....	Coin.....	Coin.....	
36	Colfax Springs Ry. Co.....	GD.....	Colfax.....	Colfax.....	Colfax.....	
37	Canley, J. B.....	GD.....	Lake Mills.....	Lake Mills.....	Lake Mills.....	
	Continental Gas & Electric Corporation.....	H.....				
38	Artificial Ice, Power, Heat & Light Co.....	GD.....	Fremont and Page Counties.....	Shenandoah.....	Shenandoah.....	
39	Avoca Electric Light & Power Co.....	GD.....	Avoca and Shelby.....	Avoca.....	Avoca.....	
40	Cass County Light & Power Co.....	D.....	Griswold, Elliott, and Grant.....	Griswold.....	Griswold.....	
41	Iowa Gas & Electric Co.....	GD.....	Missouri Valley, Magnolia, and Logan.....	Missouri Valley.....	Missouri Valley.....	
42	Malvern Light & Power Co.....	GD.....	Malvern and Tabor.....	Malvern.....	Malvern.....	
43	Red Oak Electric Co.....	GD.....	Oakland, Emerson, etc.....	Oakland.....	Oakland.....	
44	Do.....	GD.....	Staunton and Red Oak.....	Red Oak.....	Red Oak.....	
45	Creston Mutual Electric Light, Heat & Power Co.....	GD.....	Creston.....	Creston.....	Creston.....	
46	Curtis, W. A., Electric Light Plant.....	D.....	Cambridge.....	Cambridge.....	Cambridge.....	
47	De Witt Electric Light & Power Co.....	GD.....	De Witt.....	De Witt.....	De Witt.....	
48	Duncombe Light & Power Co.....	D.....	Duncombe.....	Duncombe.....	Duncombe.....	
49	Dunlap Electric Light & Power Co.....	GD.....	Dunlap.....	Dunlap.....	Dunlap.....	
50	Dyersville Light & Water Co.....	GD.....	Dyersville.....	Dyersville.....	Dyersville.....	
51	Eastern Iowa Light & Power Co.....	GD.....	Jones County and Ohio.....	Anamosa.....		
52	Do.....	GD.....		Oxford Mills.....		
53	Electric Service Co.....	GD.....	Delaware and Linn Counties.....	Central City.....	Central City.....	Wapsipimcon River.....
54	Emmetsburg Electric Light, Heat & Power Co.....	GD.....	Emmetsburg.....	Emmetsburg.....	Emmetsburg.....	
55	Enterprise Electric Light, Heat & Power Co.....	GD.....	Garner.....	Garner.....	Garner.....	
56	Essex Light & Power Co.....	D.....	Essex.....	Essex.....	Essex.....	
57	Farragut Light & Power Co.....	D.....	Farragut.....	Farragut.....	Farragut.....	
58	Fayette County Utilities Co.....	GD.....	Oelwein.....	Oelwein.....	Oelwein.....	
59	Forest City Electric Light & Power Co.....	GD.....	Forest City.....	Forest City.....	Forest City.....	
60	George Electric Light & Power Co.....	GD.....	George.....	George.....	George.....	
61	Gibson Electric Co.....	D.....	Altoona and Mitchellville.....	Altoona.....	Altoona.....	
62	Gilliland Estate Electric Light Plant.....	D.....	Mechanicsville.....	Mechanicsville.....	Mechanicsville.....	
63	Greene Electric Light & Power Co.....	GD.....	Greene.....	Greene.....	Greene.....	
64	Grinnell Electric & Heating Co.....	GD.....	Grinnell, Brooklyn, and Malcolm.....	Grinnell.....	Grinnell.....	
65	Grundy Center Electric Co.....	GD.....	Grundy Center.....	Grundy Center.....	Grundy Center.....	
66	Guthrie Center Electric Light Co.....	GD.....	Guthrie Center.....	Guthrie Center.....	Guthrie Center.....	
67	Gutsch, E., Electric Light Plant.....	GD.....	Buffalo Center.....	Buffalo Center.....	Buffalo Center.....	
68	Hamburg Electric Light Co.....	GD.....	Hamburg.....	Hamburg.....	Hamburg.....	
69	Hann, F. M., Electric Light Plant.....	D.....	Springville.....	Springville.....	Springville.....	
70	Henderson Light & Power Co.....	GD.....	Jewell and Ellsworth.....	Jewell.....	Jewell.....	
71	Henry, S. D., Light & Power Plant.....	GD.....	Coon Rapids.....	Coon Rapids.....	Coon Rapids.....	
	Herald Publishing House Light Plant.....	H.....				
72	Lamoni Electric Co.....	GD.....	Lamoni, Kellerton, and Davis City.....	Lamoni.....	Lamoni.....	
73	Hoag, E. W., Electric Light & Power Co.....	GD.....	Manchester.....	Manchester.....	Manchester.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## IOWA.

## A.—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
1	Private.....	360	265	200	.....	500	\$0.14 - \$0.07	\$0.10 - \$0.03	.....	C. Me.
2	.....	100	(90)	75	.....	135	.10	.07	.....	C.
3	.....	345	550	475	.....	491	.....	.....	.....	Me.
4	.....	.....	80	70	.....	50	.....	.....	.....	Me.
5	Private.....	.....	250	300	.....	250	.14 - .07	.09	.....	C. Me.
6	.....	.....	160	100	.....	75	.....	.....	.....	Me.
7	Private.....	.....	2,440	5,600	.....	5,250	.11 - .05	.085 - .025	.....	C. M. Me.
8	.....	.....	.....	.....	.....	.....	.....	.....	City of Adair.....	C. M.
9	Private.....	.....	150	116	.....	75	.15 - .06	.07 - .04	.....	C. Me.
10	Do.....	.....	150	300	.....	150	.13 - .10	.....	.....	C. Me.
11	Do.....	.....	.....	.....	.....	.....	.15 - .055	.....	Lee Electric Co.....	C. Me.
12	.....	.....	.....	.....	.....	.....	.....	.10 - .06	Bettendorf Co. of Iowa.....	C. Me.
13	Private.....	.....	160	155	.....	90	.15 - .075	.075 - .05	.....	C. Me.
14	.....	.....	.....	.....	50	55	.15 - .12	.10	.....	C. Me.
15	.....	.....	2,400	2,300	.....	1,950	.....	.....	.....	M. Me.
16	.....	.....	60	125	.....	70	.....	.....	.....	Me.
17	.....	.....	.....	.....	.....	.....	.....	.....	Sigourney Transportation Co.....	Me.
18	.....	.....	.....	.....	35	22	.....	.....	.....	Me.
19	Private.....	.....	2,000	3,350	.....	1,600	.12 - .05	.10 - .02	.....	C. M. Me.
20	.....	.....	.....	.....	.....	.....	.....	.....	Central Iowa Light & Power Co.	Me.
21	.....	.....	280	150	.....	75	.....	.....	.....	Me.
22	.....	.....	(20)	18	.....	15	.....	.....	.....	Me.
23	.....	.....	900	425	.....	330	.15	.....	.....	M. Me.
24	.....	.....	100	80	.....	45	.....	.....	.....	Me.
25	.....	350	85	75	.....	100	.....	.....	.....	Me.
26	.....	.....	900	2,000	.....	1,450	.....	.....	.....	M. Me.
27	.....	.....	2,100	10,000	.....	7,500	.....	.....	.....	Me.
28	.....	.....	185	225	.....	130	.045	.....	.....	Me.
29	.....	.....	175	175	.....	150	.....	.....	.....	Me.
30	.....	.....	265	395	.....	270	.....	.....	.....	Me.
31	.....	.....	600	1,000	.....	700	.03	.01	.....	Me. C.
32	Private.....	.....	400	400	.....	285	.12 - .10	.12 - .10	.....	C. M. Me.
33	.....	.....	250	300	.....	200	.....	.....	.....	Me.
34	.....	.....	2,400	2,500	.....	1,200	.....	.....	.....	M. Me.
35	.....	.....	.....	.....	.....	.....	.10	.....	Artificial Ice, Power, Heat & Light Co.	Me.
36	.....	.....	.....	.....	.....	.....	.....	.....	.....	Me.
37	Private.....	.....	80	105	.....	50	.....	.....	.....	C. Me.
38	.....	.....	750	750	.....	650	.15 - .04	.....	.....	Me. Me.
39	Private.....	.....	300	200	.....	162	.15 - .08	.....	.....	C. Me.
40	.....	.....	.....	.....	.....	.....	.....	.....	Red Oak Electric Co.....	Me. Me.
41	Private.....	.....	900	833	.....	625	.15 - .10	.06 - .04	.....	C. Me.
42	Do.....	.....	300	350	.....	275	.15 - .06	.06	Red Oak Electric Co.....	C. Me. Me.
43	.....	.....	.....	.....	80	50	.....	.....	.....	Me.
44	.....	.....	550	1,150	.....	1,000	.....	.....	.....	M. Me.
45	.....	.....	700	1,100	.....	700	.....	.....	.....	Me.
46	.....	.....	.....	.....	.....	.....	.15 - .08	.15 - .06	Central Iowa Light & Power Co.	C. Me.
47	.....	.....	140	275	.....	200	.....	.....	.....	Me.
48	.....	.....	.....	.....	.....	.....	.15 - .10	.08	City of Webster.....	C. Me.
49	.....	.....	.....	.....	60	270	.....	.....	.....	Me.
50	.....	.....	160	80	.....	90	.....	.....	.....	C. Me.
51	.....	1,100	1,000	750	.....	1,000	.15	.....	.....	Me.
52	Private.....	375	.....	.....	.....	250	.18 - .09	.08 - .045	Iowa Railway & Light Co.....	Me.
53	.....	.....	200	30	.....	150	.....	.....	.....	C. Me.
54	.....	.....	.....	.....	.....	.....	.....	.....	.....	Me.
55	Private.....	.....	160	180	.....	110	.18 - .10	.10 - .04	.....	C. Me.
56	.....	.....	.....	.....	.....	.....	.10	.....	Artificial Ice, Power, Heat & Light Co.	Me.
57	.....	.....	.....	.....	.....	.....	.15	.10 - .04	do.....	C.
58	.....	.....	400	600	.....	400	.....	.....	.....	Me.
59	.....	.....	300	255	.....	185	.....	.....	.....	C. Me.
60	.....	.....	.....	.....	95	57½	.....	.....	.....	Me.
61	.....	.....	.....	.....	.....	.....	.....	.....	Interurban Ry. Co.....	Me.
62	.....	.....	.....	.....	.....	.....	.125 - .095	.08	Wapsi Light & Power Co.....	C. Me.
63	.....	175	225	125	.....	170	.....	.....	.....	Me.
64	.....	.....	650	600	.....	275	.....	.....	.....	M. Me.
65	.....	.....	220	200	.....	125	.....	.....	.....	Me.
66	Private.....	.....	160	250	.....	175	.....	.....	.....	C. Me.
67	.....	.....	60	.....	25	45	.....	.....	.....	Me.
68	.....	.....	200	100	.....	90	.....	.....	.....	Me.
69	.....	.....	.....	.....	.....	.....	.....	.....	Iowa Railway & Light Co.....	Me.
70	Private.....	.....	80	90	.....	50	.15 - .15	.....	.....	C. Me.
71	Do.....	.....	100	100	25	85	.15 - .07	.10 - .05	.....	C. Me.
72	.....	.....	400	350	.....	340	.15 - .06	.06 - .05	.....	Me.
73	.....	210	(80)	100	.....	75	.10	.....	.....	Me.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## IOWA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
74	Holstein Electric Co.	GD	Holstein	Holstein	Holstein	
75	Home Electric Co.	GD	Guttenberg	Guttenberg	Guttenberg	
76	Ida Grove Electric Co.	GD	Ida Grove	Ida Grove	Ida Grove	
77	Illinois Traction Co.	H				
77	Colfax Electric Light Co.	GD	Colfax and Prairie City	Colfax	Colfax	
78	Des Moines Electric Co.	GD	Des Moines Valley Junction and Carlisle	Des Moines	Des Moines	Des Moines River
79	Montezuma Electric Light, Power & Heating Co.	D	Montezuma and New Sharon			
80	New Sharon Public Utilities Co.	D	New Sharon	New Sharon	New Sharon	
81	New Valley Junction Water & Light Co.	D	Valley Junction	Valley Junction	Valley Junction	
82	Oskaloosa Traction & Light Co.	GTD	Oskaloosa	Oskaloosa	Oskaloosa	
83	Interstate Power Co.	GD	Cresco and Lansing	Cresco	Cresco	
84	Do.	GD	Decorah	Decorah	Decorah	
85	Do.	GD	Decorah, Pottsville	Decorah, No. 1		
86	Do.	GD	Lansing and Wagner, S. Dak.	Decorah, No. 2		
87	Do.	GD	Fairfield	Fairfield	Fairfield	
88	Do.	GD	Waukon	Waukon	Waukon	
89	Interurban Ry. Co.	D	Des Moines, Altoona, Mitchellville.	Des Moines	Des Moines	
90	Iowa Electric Co.	GD	Marengo	Marengo	Marengo	
91	Iowa Falls Heat & Light Co.	GD	Iowa Falls	Iowa Falls	Iowa Falls	
92	Iowa Gas & Electric Co.	GD	Washington	Washington	Washington	
93	Iowa Railway & Light Co.	GD	Belle Plaine	Belle Plaine	Belle Plaine	
94	Do.	GTD	Blairstown	Blairstown	Blairstown	
95	Do.	GTD	Boone and vicinity	Boone	Boone	
96	Do.	GTD	Cedar Rapids	Cedar Rapids	Cedar Rapids	
97	Do.	GTD	Chelsea	Chelsea	Chelsea	
98	Do.	GD	Grand Junction	Grand Junction	Grand Junction	
99	Do.	GTD	Marengo	Marengo	Marengo	
100	Do.	GTD	Marion, Springville, Viola, Stone, and vicinity.	Marion	Marion	
101	Do.	GTD	Marshalltown, Tama, Le Grand, and vicinity.	Marshalltown	Marshalltown	
102	Do.	GD	Nevada	Nevada	Nevada	
103	Do.	GD	Perry	Perry	Perry	
104	Do.	GTD	Toledo and Tama	Toledo	Toledo	
105	Iowa River Light & Power Co.	GD	Hardin County	Eldora	Eldora	Iowa River
106	Do.	GD	Hardin, Grundy, and Linn Counties.	Steamboat Rock	Steamboat Rock	do.
107	Jefferson Electric Co.	GD	Jefferson	Jefferson	Jefferson	
108	Johnson, H. E., Electric Light Plant.	GD	Carson	Carson		
109	Kensett Light Co.	GD	Kensett	Kensett	Kensett	
110	Keystone Electric Light & Cement Plant.	GD	Keystone	Keystone	Keystone	
111	Laporte Public Utility Co.	GD	Laporte City	Laporte City	Laporte City	
112	Lee Light & Power Co.	GD	Adams, Page, and Taylor Counties.	Clarinda	Clarinda	
113	Le Mars City Water & Light Co.	GD	Le Mars	Le Mars	Le Mars	
114	Lennox Electric Co.	GD	Lennox	Lennox	Lennox	
115	Leon Electric Co.	GD	Decatur and Wayne Counties.	Leon	Leon	
116	Lewis Electric Light & Power Co.	GD	Lewis	Lewis	Lewis	East Nishnabotna River.
117	Light & Power Co.	GD		St. Ansgar	St. Ansgar	Cedar River
118	Lime Springs Electric Light & Power Co.	GD	Lime Springs	Lime Springs	Lime Springs	
119	Logan Electric Light Co.	D	Magnolia and Logan	Logan	Logan	
120	Lone Tree Light & Power Co.	H				
120	Zimmerman Steel Co.	GD	Lone Tree and Dallas	Lone Tree	Lone Tree	
121	Lost Nation Light & Power Co.	GD	Lost Nation	Lost Nation	Lost Nation	
121	McCaskey, W. T.	M				
122	Dows Electric Light & Power Plant.	GD	Dows	Dows	Dows	
123	McGregor Electric Light & Power Co.	GD	McGregor and North McGregor.	McGregor	McGregor	
124	Madrid Electric Light & Power Co.	D	Madrid	Madrid	Madrid	
125	Manchester Light, Heat & Power Co.	GD	Manchester	Manchester	Manchester	
126	Manning Electric Light Co.	GD	Manning	Manning	Manning	
127	Manson Electric Light & Power Co.	GD	Manson	Manson	Manson	
128	Maquoketa Light & Power Co.	GD	Maquoketa	Maquoketa	Maquoketa	
129	Marion County Electric Co.	GD	Knoxville, Melcher & Dallas.	Knoxville	Knoxville	
130	Mason & Mason Electric Light Co.	GD	Alton	Alton	Alton	
131	Michel, F. W., Electric Light & Power Plant.	GD	Orange City	Orange City	Orange City	
132	Miller, C., & Sons Electric Light Plant.	GD	Clermont	Clermont		
133	Milroy, W. K., Electric Light & Power Plant.	GD	Hopkinton	Hopkinton		Maquoketa River
134	Monona Light & Power Co.	D	Monona	Monona	Monona	
135	Monticello Electric Co.	GD	Monticello	Monticello		
136	Moulton Electric Light Co.	GD	Moulton	Moulton	Moulton	
137	Mount Ayr Light & Power Co.	GD	Mount Ayr	Mount Ayr	Mount Ayr	
138	Mozingo & Mack Light Plant.	GD	Clarion	Clarion	Clarion	
139	Municipal Service Co.	GD	Marcus	Marcus	Marcus	
140	Nora Springs Electric Light & Mill Co.	GD	Nora Springs	Nora Spring		
141	Northern Iowa Power Co.	GD	Humboldt and Pocahontas Counties.	Humboldt		
142	Northwood Electric Light & Power Co.	GD	Northwood	Northwood	Northwood	
143	Omaha Electric Light & Power Co.	H				
143	Citizens Gas & Electric Co. of Council Bluffs.	D	Council Bluffs	Council Bluffs	Council Bluffs	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## IOWA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
74	Private.....		160	225	200	112½	\$0.15 - \$0.08	\$0.10 - \$0.05		C.
75			400	240		137½	.12 - .10	.06		C. Mc.
76						200	.15 - .10	.08- .03		C. Mc.
77	Private.....	300	200	430		225				Mc.
78			4,637	13,849		10,200	.09	.05		C. M. Mc.
79							.15	.03	Oskaloosa Traction & Light Co.	C. Mc.
80									Des Moines Electric Co.....	Mc.
81			1,300	1,370		1,100				Mc.
82			1,300			1,100				Mc.
83			300	200		150				M. Mc.
84			600	800		(480)				M.
85		2,000								(M. Mc.
86						1,200				(M. Mc.
87			400	225		210				M. Mc.
88			300	400		200				M. Mc.
89										Mc.
90	Private.....		225	150		175	.166- .05	.10- .045		C.
91			400	350		175				Mc.
92			300	425		300	.13 - .08	.10- .045		C. M. Mc.
93			260	180		200				Mc.
94			50	50		52				M. Mc.
95			1,230	2,970		2,800				M. Mc.
96			6,040	14,800		11,250				
97			65	45		25				M. Mc.
98			100	125		86				Mc.
99			150	160		180				M. Mc.
100			550	405		405				M. Mc.
101			1,100	3,270		2,550				M. Mc.
102			200	325		250				M. Mc.
103			900	600		360				M. Mc.
104			400	325		400				Mc.
105	Private.....	150	1,025	1,300		826	.12 - .04	.08- .03		C. Mc.
106	Do.....	130				60	.12 - .04	.08- .03		C.
107			200	210		225	.08 - .035	.08- .022		C. Mc.
108			65	85		50				Mc.
109	Private.....				35	25				C. Mc.
110	Do.....		60	50		35	.10			C. Mc.
111			160	120		100				Mc.
112			750	833		750				C. Mc.
113	Private.....		400	600		440	.15 - .125	.10- .07		Mc.
114			80	80		45				Mc.
115	Private.....		350	600		440	.15 - .07	.08- .04		C. Mc.
116	Do.....	50			45	75	.15 - .10	.07- .05		C. Mc.
117	Do.....	150				75	.15			C. Mc.
118		55	35	35		33				Mc.
119										M. Mc.
120	Private.....		100	100		75	.15	.08		C.
121	Do.....		160	85		35	.20 - .09	.20- .09		C. Mc.
122					110	62½				Mc.
123			300	300		300				Mc.
124									Iowa Railway & Light Co.....	Mc.
125	Private.....		300	257		210				C. Mc.
126	Do.....		300	225		125	.10	.10- .05		C. Mc.
127			225	120		135				Mc.
128			(400)	(660)		400				M. Mc.
129	Private.....		300	300		450	.10 - .06	.06- .03	Consolidated Indiana Coal Co..	C. Mc.
130					90	47	.10			Mc.
131	Private.....		150	140		107½	.15	.10- .06		C. Mc.
132		400	400	400		430				Mc.
133		125	85	70		75	.15 - .09	.08- .045		C. Mc.
134									McGregor Electric Light & Power Co.	Mc.
135		200	200	200	150	125				Mc.
136			200	200		85				C. Mc.
137			225	285		175				Mc.
138	Private.....		250	260		140	.13 - .06			C. Mc.
139					(90)	80				Mc.
140		80	80	60		40				Mc.
141		800	700	500		1,025				Mc.
142			225	200		130				Mc.
143									Omaha Electric Light & Power Co.	C. M. Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## IOWA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
144	Osage Electric Light, Heat & Power Co.	GD	Osage	Osage	Osage	
145	Osceola Light, Heat & Power Co.	GD	Osceola and Murray	Osceola	Osceola	
146	Payne, R. R., Co.	GD	Williams	Williams	Williams	
147	Peru Electric Light & Power Co.	GD	East Peru	East Peru	East Peru	
148	Peterson Power & Milling Co.	GD	Clay, O'Brien, Buena Vista Counties.	Peterson		Little Sioux River
149	Remsen Electric Light & Power Co.	GD	Remsen	Remsen	Remsen	
150	Riceville Electric Light & Power Co.	GD	Riceville	Riceville	Riceville	
151	Rockford Light & Power Co.	GD	Rockford	Rockford		Shellock River
152	Rock Valley Electric Co.	GD	Sioux and Lyon Counties	Rock Valley	Rock Valley	
153	Rolf Electric Light & Power Co.	D	Rolf	Rolf	Rolf	
154	Sac City Electric Co.	GD	Sac County	Sac City	Sac City	
155	Sanborn Electric Light Co.	GD	Sanborn and Pringhar	Sanborn	Sanborn	
156	Schmidt Bros. Co. Electric Light Plant	GD	Elkader	Elkader		
157	Seranton-Glidden Electric Co.	GD	Seranton and Ralston	Seranton	Seranton	
158	Sheffield Brick & Tile Co.	GT	Sheffield & Rockwell	Sheffield	Sheffield	
159	Sheffield Electric Light & Power Co.	GD	do.	do.	do.	
160	Sheldon Light & Power Co.	GD	Sheldon	Sheldon	Sheldon	
161	Sidney Light, Heat & Power Co.	GD	Sidney	Sidney	Sidney	
162	Sigourney Electric Co.	GD	Sigourney	Sigourney	Sigourney	
163	Sigourney Transfer Co.	D	Keokuk and Mahaska Counties.	Sigourney		
164	Sioux City Service Co.	GTD	Sioux City	Sioux City	Sioux City	
165	Sioux Rapids Heat & Electric Co.	GD	Sioux Rapids	Sioux Rapids		
166	Southern Iowa Railway & Light Co.	GTD	Albia	Albia	Albia	
167	Spirit Lake Electric Light Co.	GD	Dickinson County	Spirit Lake	Spirit Lake	
168	Stanton Light & Power Co.	D	Stanton	Stanton		
169	Stoue & Webster	M				
169	Fort Madison Electric Co.	D	Fort Madison	Fort Madison	Fort Madison	
170	Keokuk Electric Co.	DT	Keokuk and vicinity	Keokuk	Keokuk	
171	Mississippi River Power Co.	GT	Illinois, Iowa and Missouri	Keokuk	Des Moines Rapids	Mississippi River
172	Storm Lake Electric Light & Power Co.	GD	Storm Lake	Storm Lake	Storm Lake	
173	Sumner Light & Power Co.	D	Sumner	Sumner	Sumner	
174	Thurman Electric Co.	GD	Thurman	Thurman	Thurman	
175	Tipton Light & Heating Co.	D	Tipton	Tipton	Tipton	
176	Traer Electric Co.	GD	Traer	Traer	Traer	
177	Tripoli Canning Co. Light Plant	GD	Tripoli	Tripoli	Tripoli	
178	Turkey River Power Co.	GD	West Union	West Union	West Union	
179	Union Co. of Omaha	H				
179	Union Service Co.	GD	Chariton and Russell	Chariton	Chariton	
180	Union Electric Co. of Dubuque	GTD	Dubuque and East Dubuque, Ill.	Dubuque	Dubuque	
181	Union Light & Power Co.	GD	Correctionville	Correctionville	Correctionville	
182	United Gas Improvement Co.	H				
182	Sioux City Gas & Electric Co.	GD	Sioux City and Leeds	Sioux City	Sioux City	
183	United Light & Railways Co.	H				
183	Fort Dodge Gas & Electric Co.	H	Fort Dodge	Fort Dodge	Fort Dodge	
184	Iowa City Light & Power Co.	GD	Iowa City and Coralville	Coralville	Coralville	Iowa River
185	Iowa & Illinois Ry. Co.	D	Clinton	Clinton	Clinton	
186	Muscatine Lighting Co.	GD	Muscatine, Cedar and Scott Counties.	Muscatine	Muscatine	
187	Peoples Gas & Electric Co.	GD	Cerra Gordo, Worth and Floyd Counties.	Mason City	Mason City	
188	Peoples Light Co.	D	Davenport			
189	Van Horn Electric Light & Power Co.	GD	Van Horn	Van Horn	Van Horn	
190	Villisca Public Service Co.	D	Villisca	Villisca	Villisca	
191	Wapello Electric Light & Power Co.	GD	Wapello	Wapello	Wapello	
192	Warren, B. R., Electric Light Co.			Dickens		
193	Waspie Power & Light Co.	GTD	Linn and Cedar Counties	Mount Vernon	Mount Vernon	
194	Waterloo, Cedar Falls & Northern Ry. Co.	GD	Waterloo and others	Waterloo	Waterloo	
195	West Branch Electric Light Co.	GD	West Branch	West Branch	West Branch	

## B.—MUNICIPAL PLANTS.

196		GD	Ackley	Ackley	Ackley	
197		GD	Adair and Anita	Adair	Adair	
198		D	Afton	Afton	Afton	
199		D	Akron	Akron	Akron	
200		GD	Algona	Algona	Algona	
201		GD	Allerton	Allerton	Allerton	
202		GD	Alta	Alta	Alta	
203		GD	Ames	Ames	Ames	
204		GD	Atlantic	Atlantic	Atlantic	
205		GD	Bagley	Bagley	Bagley	
206		GD	Bellevue	Bellevue	Bellevue	
207		GD	Bloomfield	Bloomfield	Bloomfield	
208		GD	Buffalo	Buffalo	Buffalo	
209		GD	Cedar Falls	Cedar Falls	Cedar Falls	
210		GD	Chariton	Charitou	Chariton	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## IOWA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
144	Private.....		250	240		150				Mc.
145	Private.....		220	225		125	\$0.15 - \$0.06	\$0.12 - \$0.04		C. M. Mc.
146	Private.....		120	125		75	.20 - .135	.10		C. Mc.
147	Private.....				25	20½				C. Mc.
148	Do.....	300	150	150		375	.15 - .05	.07 - .03		C. Mc.
149	Private.....				95	75				Mc.
150	Private.....		150	75	50	35				Mc.
151	Private.....	170			140	137½	.15 - .10	.08		C. Mc.
152	Do.....		200	250		145	.15 - .10	.07 - .05		C. Mc.
153	Private.....						.15 - .10	.07 - .04	Northern Iowa Power Co.	C. Mc.
154	Private.....		400	600		400	.135 - .072	.10 - .03		C. Mc.
155	Do.....		280	185		175	.15 - .12	.085 - .045		C. Mc.
156	Private.....	196	100	125		50				Mc.
157	Private.....								City of Glidden	Mc.
158	Private.....		450	850		312½	.15 - .02	.10 - .02		C. Mc.
159	Do.....		450	400		125	.15 - .07	.10 - .04	Sheffield Brick & Tile Co.	C. Mc.
160	Private.....		300	375		275	.14 - .06	.085 - .045		Mc.
161	Private.....		60	80	12	60				Mc.
162	Private.....		600	550		575				Mc.
163	Private.....								Sigourney Electric Light Co.	Mc.
164	Private.....		4,000	6,400		3,200	.12 - .03	.05 - .03		C. M. Mc.
165	Private.....	100	100	60		(100)	.10			Mc.
166	Private.....		400	650		600	.12			M. Mc.
167	Private.....		260	225		150				C. Mc.
168	Private.....						.15	.10	Red Oak Electric Co.	C.
169	Private.....						.10 - .02	.05 - .01	Mississippi River Power Co.	C. M. Mc.
170	Private.....								do.	M. Mc.
171	Private.....	150,000				135,000		.0135 - .0054		C. M. Mc. O.
172	Private.....		200	300		200		.08		Mc.
173	Private.....				30	20	.15 - .08	.10 - .05	Turkey River Power Co.	C. Mc.
174	Private.....						.15			C. Mc.
175	Private.....						.10	.10 - .04	Wapsie Power & Light Co.	C. Mc.
176	Private.....		500	200		150				Mc.
177	Private.....		200			250	.20 - .05	.16 - .06		C.
178	Private.....		225	200		162				Mc.
179	Private.....		450	400		300	.15 - .06	.12 - .04		C. Mc.
180	Do.....		2,400	9,500		11,150	.125 - .1025	.10 - .02		C. M. Mc.
181	Private.....		150	125		50				Mc.
182	Private.....		1,900	2,250		2,650	.09 - .03	.05 - .02		C. M. Mc.
183	Private.....								Fort Dodge, Des Moines & Southern Ry.	M. Mc.
184	Private.....	500	850	1,250		950	.12 - .04	.07 - .02		C. M. Mc.
185	Private.....		450	1,000		750	.135	.09 - .018	Tri-City Railway & Light Co.	C. M. Mc.
186	Private.....								Moline-Rock Island Manufacturing Co.	C. Mc.
187	Private.....		2,250	5,775		1,800	.12 - .04	.07 - .04		C. Mc.
188	Private.....								Moline-Rock Island Manufacturing Co.	C. Mc.
189	Private.....		100	60		45	.15		Red Oak Electric Co.	Mc.
190	Private.....		140	215		180				Mc.
191	Private.....									Mc.
192	Private.....		500	200		165	.125 - .08	.065 - .04	Iowa Railway & Light Co.	C. Mc.
193	Do.....		3,000	7,000		7,000	.08 - .04			C. M. Mc.
194	Do.....		250	175		65	.15 - .08			C. Mc.
195	Do.....									C. Mc.
Total, A.....		158,721	75,597	129,891	1,442	239,769				

## B.—MUNICIPAL PLANTS.

196	Private.....		265	175		125	\$0.145 - \$0.125	\$0.10 - \$0.06		C. Mc.
197	Private.....		140	230		150	.15 - .10			C. Mc.
198	Private.....						.10 - .03		Creston Mutual Light, Heating & Power Co.	C. Mc.
199	Private.....				325	225				O. Mc.
200	Private.....				85	60	.15 - .08			C.
201	Private.....		690	170		85				Mc.
202	Private.....		550	1,100		780	.13 - .06	.085 - .04		C. Mc.
203	Do.....		500	700		490	.10 - .06	.07 - .02		C. Mc.
204	Do.....				35	22½	.15 - .03			C. Mc.
205	Do.....									
206	Do.....		100	85	200	210	.117	.04		C. Mc.
207	Do.....		200	225		160				Mc.
208	Private.....				20	12½	.15	.15		C. Mc.
209	Do.....		575	750		500	.11 - .05	.085 - .025		C. Mc.
210	Do.....		450	400		300				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## IOWA—Continued.

## A.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
211		GD	Coggon	Coggon	Coggon	
212		GD	Corydon	Corydon	Corydon	
213		GD	Danbury	Danbury	Danbury	
214		GD	Denison	Denison	Denison	
215		GD	Dow City	Dow City	Dow City	
216		GD	Earlham	Earlham	Earlham	
217		GD	Eddyville	Eddyville	Eddyville	
218		GD	Eldon	Eldon	Eldon	
219		GD	Elma	Elma	Elma	
220		GD	Esterville	Esterville	Esterville	
221		GD	Fairfield	Fairfield	Fairfield	
222		GD	Farmington	Farmington	Farmington	
223		GD	Fayette	Fayette	Fayette	
224		D	Fontanelle	Fontanelle	Fontanelle	
225		GD	Glidden, Scranton, and Ralston.	Glidden	Glidden	
226		GD	Greenfield and Fontanelle	Greenfield	Greenfield	
227		GD	Grimes	Grimes	Grimes	
228		GD	Harlan	Harlan	Harlan	
229		GD	Hartley	Hartley	Hartley	
230		GD	Hawarden	Hawarden	Hawarden	
231		GD	Independence	Independence	Independence	
232		GD	Indianola	Indianola	Indianola	
233	University of Iowa	GD	University	Iowa City	Iowa City	Iowa River
234	Do	GD	do	do	do	
235		GD	Keosauqua	Keosauqua	Keosauqua	
236		GD	Lineville	Lineville	Lineville	
237		GD	Marshalltown	Marshalltown	Marshalltown	
238		GD	Mount Pleasant	Mount Pleasant	Mount Pleasant	
239		GD	Neola	Neola	Neola	
240		GD	New Hampton	New Hampton	New Hampton	
241		GD	New London	New London	New London	
242		GD	Newton	Newton	Newton	
243		D	Ogden	Ogden	Ogden	
244		GD	Onawa	Onawa	Onawa	
245		GD	Panora	Panora	Panora	
246		GD	Paulina	Paulina	Paulina	
247		GD	Pella	Pella	Pella	
248		GD	Pocahontas	Pocahontas	Pocahontas	
249		GD	Rock Rapids	Rock Rapids	Rock Rapids	
250		D	Roland	Roland	Roland	
251		GD	Seymour	Seymour	Seymour	
252		GD	Spencer	Spencer	Spencer	
253		GD	State Center	State Center	State Center	
254		GD	Story City and Roland	Story City	Story City	
255		GD	Strawberry Point	Strawberry Point	Strawberry Point	
256		GD	Stuart	Stuart	Stuart	
257		GD	Vinton	Vinton	Vinton	
258		GD	Walnut	Walnut	Walnut	
259		GD	Washington	Washington	Washington	
260		GD	Waverly	Waverly	Waverly	Red Cedar River
261		GD	Webster City, Duncombe, Woodstock.	Webster City	Webster City	
262		GD	West Liberty	West Liberty	West Liberty	
263		GD	West Point	West Point	West Point	
264		GD	Wilton Junction	Wilton Junction	Wilton Junction	
265		GD	Winterset	Winterset	Winterset	

## C.—ALL OTHER PLANTS.

266	Des Moines City Ry. Co.	G	Electric railways	Des Moines	Des Moines	
267	United Light & Railway Co.	H				
267	Cedar Rapids & Marion City Ry. Co.	G	Electric railway	Cedar Rapids	Cedar Rapids	
268	Mason City & Clear Lake Ry. Co.	G	do	Emery	Emery	

## KANSAS.

## A.—PUBLIC UTILITY PLANTS.

1	Abrahams, John	GTD	Downs and Glen Elder	Downs	Downs	
2	Alma Light & Ice Co.	GD	Alma	Alma	Alma	
3	American Power & Light Co.	H				
3	Kansas Gas & Electric Co.	GTD	Halstead, Sedgewick, Cherryvale, Valley Center.	Cherryvale	Cherryvale	
4	Do	GTD	Independence	Independence	Independence	
5	Do	GD	Newton	Newton	Newton	
6	Do	GD	Wichita	Wichita	Wichita	
7	(Lessor, Home Light, Heat & Power Co.)	L	Pittsburg, Frontenac, Cherokee.	Pittsburg	Pittsburg	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## IOWA—Continued.

## A.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
211	.....	.....	.....	.....	25	15	\$0.15	\$0.15	.....	C.
212	.....	.....	180	245	.....	75	\$0.15 - .12	\$0.09 - .06	.....	C. Me.
213	Private.....	.....	.....	.....	55	35	.12	.....	.....	C. Me.
214	.....	.....	350	225	.....	200	.....	.....	.....	Me.
215	Private.....	.....	.....	.....	25	32½	.15	.08	.....	C. Me.
216	.....	.....	220	200	.....	110	.15 - .08	.08	.....	C. Me.
217	.....	.....	100	90	.....	50	.....	.....	.....	Me.
218	.....	.....	220	230	.....	160	.....	.....	.....	Me.
219	Private.....	.....	260	230	.....	175	.085 - .07	.....	.....	C. Me.
220	Do.....	.....	300	200	225	375	.11	.07 - .03	.....	C. Me.
221	.....	.....	125	125	.....	(70)	.....	.....	Fairfield Public Service Co....	Me.
222	.....	.....	140	125	.....	55	.....	.....	.....	Me.
223	.....	.....	200	150	.....	60	.....	.....	.....	Me.
224	.....	.....	.....	.....	.....	.....	.....	.....	City of Greenfield.....	C. Me.
225	.....	.....	160	300	.....	175	.15 - .08	.09 - .05	.....	C. Me.
226	Private.....	.....	230	285	.....	175	.15 - .10	.11 - .06	.....	C. Me.
227	.....	.....	.....	.....	25	30	.....	.....	.....	Me.
228	Private.....	.....	250	500	.....	275	.15 - .05	.10 - .05	.....	C. Me.
229	Do.....	.....	.....	.....	80	50	.15 - .08	.07	.....	C. Me.
230	Do.....	.....	300	300	.....	175	.15 - .10	.15 - .10	.....	C. Me.
231	Do.....	.....	450	650	.....	500	.11 - .09	.07 - .04	.....	C. Me.
232	.....	.....	450	510	.....	450	.....	.....	.....	Me.
233	.....	(330)	.....	.....	.....	200	.....	.....	.....	O.
234	.....	.....	(100)	150	.....	50	.....	.....	.....	O.
235	.....	.....	(80)	80	.....	125	.....	.....	.....	Me.
236	.....	.....	140	70	.....	50	.....	.....	.....	Me.
237	.....	.....	(90)	100	.....	65	.....	.....	.....	Me.
238	Private.....	.....	500	400	.....	350	.10 - .06	.08 - .05	.....	C. Me.
239	.....	.....	105	90	.....	50	.....	.....	.....	Me.
240	Private.....	.....	300	250	.....	150	.13 - .08	.08 - .04	.....	C. Me.
241	Do.....	.....	250	250	.....	150	.11	.04	.....	C. Me.
242	Do.....	.....	600	850	.....	200	.08	.07 - .0187	.....	Me.
243	.....	.....	.....	.....	.....	.....	.....	.....	Central Iowa Light & Power Co.	Me.
244	Private.....	.....	300	325	.....	150	.15 - .06	.08 - .06	.....	C. Me.
245	.....	100	.....	.....	50	160	.....	.....	City of Story.....	Me.
246	Private.....	.....	.....	.....	150	92	.15 - .08	.....	.....	C. Me.
247	.....	.....	450	.....	.....	340	.....	.....	.....	Me.
248	.....	.....	.....	.....	70	50	.....	.....	.....	Me.
249	.....	.....	300	185	.....	130	.....	.....	.....	Me.
250	.....	.....	.....	.....	.....	.....	.....	.....	.....	Me.
251	.....	.....	200	320	.....	300	.13 - .05	.13 - .035	.....	C. Me.
252	.....	.....	400	400	.....	225	.....	.....	.....	Me.
253	.....	.....	200	150	.....	100	.15 - .05	.15 - .05	.....	C. Me.
254	.....	.....	240	225	80	225	.....	.....	.....	Me.
255	.....	.....	.....	.....	145	95	.....	.....	.....	Me.
256	Private.....	.....	200	175	.....	135	.15 - .10	.08 - .06	.....	C. Me.
257	Do.....	.....	300	250	.....	175	.12 - .06	.07 - .04	.....	C. Me.
258	Do.....	.....	215	85	.....	125	.13 - .10	.....	.....	C. Me.
259	.....	.....	200	125	.....	75	.....	.....	.....	Me.
260	Private.....	280	330	337	.....	500	.12 - .05	.06	.....	C. Me.
261	Do.....	.....	450	750	.....	500	.10 - .05	.08 - .03	.....	C. Me.
262	.....	.....	300	250	.....	150	.....	.....	.....	Me.
263	.....	.....	100	100	.....	75	.....	.....	.....	Me.
264	.....	.....	150	100	.....	60	.125	.....	.....	Me.
265	.....	.....	300	300	.....	310	.10	.08 - .06	.....	C. Me.
Total, B.....		710	14,205	14,517	1,595	11,724	.....	.....	.....	.....

## C.—ALL OTHER PLANTS.

266	.....	.....	3,920	6,750	.....	4,500	.....	.....	.....	M. Me.
267	Private.....	.....	(1,600)	2,000	.....	1,550	.....	.....	.....	C.
268	Do.....	.....	500	600	.....	400	.....	.....	People's Gas & Electric Co....	C.
Total, C.....		.....	6,020	9,350	.....	6,450	.....	.....	.....	.....
Grand total.....		159,431	95,822	153,758	3,037	257,943	.....	.....	.....	.....

## KANSAS.

## A.—PUBLIC UTILITY PLANTS.

1	.....	.....	(300)	300	.....	150	.....	.....	.....	Me.
2	Private.....	.....	200	125	50	110	\$0.15 - \$0.10	\$0.06	.....	Me.
3	.....	.....	375	450	100	300	.....	.....	.....	Me. M.
4	.....	.....	.....	.....	1,390	755	.....	.....	.....	Me. M.
5	.....	.....	875	920	.....	650	.....	.....	.....	Me. M. C.
6	.....	.....	2,312	10,950	.....	8,750	.....	.....	.....	Me. O. C.
7	Private.....	.....	1,650	1,500	.....	1,050	.....	.....	.....	C. Me. M.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## KANSAS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
8	Barber-Angell Electric Light Co.....	GD	Tonganoxie.....	Tonganoxie.....	Tonganoxie.....	
9	Baxter Springs Electric Light & Water Co.....	GD	Baxter Springs.....	Baxter Springs.....	Baxter Springs.....	
10	Beattie Electric Light Plant.....	GD	Beattie.....	Beattie.....	Beattie.....	
11	Bern Electric Light Plant.....	GD	Bern.....	Bern.....	Bern.....	
12	Blue Mound Electric Light Co.....	GD	Blue Mound.....	Blue Mound.....	Blue Mound.....	
13	Bonner Springs Electric Light Co.....	GD	Bonner Springs.....	Bonner Springs.....	Bonner Springs.....	
14	Bowersack Mill & Power Co.....	GT	Lawrence.....	Lawrence.....	Lawrence.....	
15	Buffalo Electric Light & Power Co.....	D	Buffalo.....	Buffalo.....	Buffalo.....	
16	Burlington Light, Power & Manufacturing Co.....	GD	Burlington.....	Burlington.....	Burlington.....	
17	Caldwell Light & Power Co.....	GD	Caldwell.....	Caldwell.....	Caldwell.....	
18	Caney Electric Light & Railway Co.....	GD	Caney.....	Caney.....	Caney.....	
19	Cawker City Electric Light & Power Co.....	GD	Cawker City.....	Cawker City.....	Cawker City.....	
20	Claffin Telephone, Light & Garage Co.....	GD	Claffin.....	Claffin.....	Claffin.....	
21	Concordia Electric Light Co.....	GD	Claud, Jewel, Mitchell.....	Concordia.....	Concordia.....	
22	Do.....		Republic and Washington Counties.....	Washington.....	Washington.....	
23	Conway Springs Electric Light & Ice Co.....	GD	Conway Springs.....	Conway Springs.....	Conway Springs.....	
24	Council Grove Ice, Light & Power Co.....	GD	Council Grove.....	Council Grove.....	Council Grove.....	
25	Diamond Electric Light & Power Co.....	GD	Spearville.....	Spearville.....	Spearville.....	
26	Dickinson County Light & Power Co.....	GD	Chapman.....	Chapman.....	S. 29, T. 12 S., R. 4 E.....	
27	Doherty Operating Co.....	M	Salina.....	Salina.....	Salina.....	
28	Salina Light, Power & Gas Co.....	GD	Salina.....	Salina.....	Salina.....	
29	Spring River Power Co.....	GTD	Lowell.....	Lowell.....	Lowell.....	Spring River.....
30	Do.....		Spring River.....	Spring River.....	Spring River.....	
31	United Water, Gas & Electric Co.....	GD	Hutchinson, Nickerson, and South Hutchinson.....	Hutchinson.....	Hutchinson.....	
32	Downs Electric Light & Power Co.....	GD	Downs.....	Downs.....	Downs.....	
33	El Dorado Electric & Refrigerating Co.....	GD	El Dorado.....	El Dorado.....	El Dorado.....	
34	Emanuel, Albert, Co.....	M	El Dorado.....	El Dorado.....	El Dorado.....	
35	Emporia Railway & Light Co.....	GD	Emporia.....	Emporia.....	Emporia.....	
36	(Lessor, city of Emporia).....	L	Lawrence.....	Lawrence.....	Lawrence.....	
37	Lawrence Railway & Light Co.....	T	Lawrence.....	Lawrence.....	Lawrence.....	
38	Eureka Light & Power Co.....	GD	Eureka.....	Eureka.....	Eureka.....	
39	Frankfort Light & Power Co.....	GD	Frankfort.....	Frankfort.....	Frankfort.....	
40	Fredonia Ice & Light Co.....	GD	Fredonia.....	Fredonia.....	Fredonia.....	
41	Garden City Light, Power & Water System.....	GD	Garden City.....	Garden City.....	Garden City.....	
42	Garden City Telephone, Light & Manufacturing Co.....	GD	do.....	do.....	do.....	
43	Garnett Electric Light Co.....	GD	Garnett.....	Garnett.....	Garnett.....	
44	Goodland Light & Power Co.....	GD	Goodland.....	Goodland.....	Goodland.....	
45	Gypsum Light & Power Co.....	GD	Gypsum.....	Gypsum.....	Gypsum.....	
46	Haven Electric Light & Ice Co.....	GD	Haven.....	Haven.....	Haven.....	
47	Hays Electric Light Co.....	GD	Hays.....	Hays.....	Hays.....	
48	Hiawatha Light, Power & Ice Co.....	GD	Hiawatha.....	Hiawatha.....	Hiawatha.....	
49	Home Light & Power Co.....	GD	Cottonwood Falls and Strong.....	Cottonwood Falls.....	Cottonwood Falls.....	
50	Home Telephone & Electric Co.....	GD	Highland.....	Highland.....	Highland.....	
51	Humboldt Mill & Power Co.....	GD	Humboldt.....	Humboldt.....	Humboldt.....	
52	Hutchinson Interurban Ry. Co.....	D	Hutchinson.....	Hutchinson.....	Hutchinson.....	
53	Illinois Traction Co.....	H	Atchison and Troy.....	Atchison.....	Atchison.....	
54	Atchison Railway Light & Power Co.....	GTD	Topeka.....	Topeka.....	Topeka.....	
55	Topeka Edison Co.....	GD	Topeka.....	Topeka.....	Topeka.....	
56	Interstate Electric Corporation.....	H	Topeka.....	Topeka.....	Topeka.....	
57	Great Bend Water & Electric Co.....	GTD	Great Bend.....	Great Bend.....	Great Bend.....	
58	Hoisington Electric & Ice Co.....	D	Hoisington.....	Hoisington.....	Hoisington.....	
59	Jackson Roller Mills.....	GD	Minneapolis.....	Minneapolis.....	Minneapolis.....	
60	Jewell Milling Co.....	GD	Jewell City.....	Jewell City.....	Jewell City.....	
61	Joplin & Pittsburg Ry. Co.....	GD	Franklin.....	Franklin.....	Franklin.....	
62	Do.....	GD	Pittsburg.....	Pittsburg.....	Pittsburg.....	
63	Kansas City Railway & Light Co.....	H	Kansas City.....	Kansas City.....	Kansas City.....	
64	Standard Electric Light Co.....	D	Kansas City.....	Kansas City.....	Kansas City.....	
65	Kansas City, Lawrence & Topeka R. R. Co.....	GD	Merriam.....	Merriam.....	Merriam.....	
66	Kansas Southern Electric R. R. Co.....	H	Merriam.....	Merriam.....	Merriam.....	
67	Iola Electric R. R. Co.....	GTD	Iola, Gas & La Harpe.....	Iola.....	Iola.....	
68	Kensington Light & Water Co.....	GD	Kensington.....	Kensington.....	Kensington.....	
69	Kingman Light & Power Co.....	GD	Kingman.....	Kingman.....	Kingman.....	
70	Kinsley Electric Light & Power Co.....	GD	Kinsley.....	Kinsley.....	Kinsley.....	
71	La Crosse Ice & Light Co.....	GD	La Crosse.....	La Crosse.....	La Crosse.....	
72	Land & Power Co.....	GD	La Crosse.....	La Crosse.....	La Crosse.....	
73	Arkansas City Gas & Electric Light Co.....	GD	Arkansas City.....	Arkansas City.....	Arkansas City.....	
74	Liberal Light, Ice & Power Co.....	GD	Liberal.....	Liberal.....	Liberal.....	
75	Light & Development Co. of St. Louis.....	H	Liberal.....	Liberal.....	Liberal.....	
76	Fort Scott Gas & Electric Co.....	GD	Fort Scott.....	Fort Scott.....	Fort Scott.....	
77	Lyons Electric & Manufacturing Co.....	GD	Lyons.....	Lyons.....	Lyons.....	
78	Manhattan Ice, Light & Power Co.....	GD	Manhattan.....	Manhattan.....	Manhattan.....	
79	Marshall County Power & Light Co.....	GD	Blue Rapids.....	Blue Rapids.....	Blue Rapids.....	
80	Marysville Light, Power & Water Co.....	GD	Marysville.....	Marysville.....	Marysville.....	
81	Meade Light & Power Co.....	GD	Meade.....	Meade.....	Meade.....	
82	Medicine Lodge Electric Light Co.....	GD	Medicine Lodge.....	Medicine Lodge.....	Medicine Lodge.....	
83	Midland Water, Light & Gas Co.....	GD	Dodge City.....	Dodge City.....	Dodge City.....	
84	Moline Electric Co.....	GD	Moline.....	Moline.....	Moline.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## KANSAS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
8					90	50				Me.
9	Private.....		100	130		95				Me. C.
10					30	50				C.
11	Private.....		80	115		50	\$0.15	\$0.10		Me. C.
12					(60)	37½				C.
13					112	80	.10	.10		S.
14	Private.....	1,500	1,125	1,000		1,590	.0125			Me. C.
15										Me.
16			200	300		160				Me.
17	City.....		350	250		(150)				O.
18	Private.....		200	270	100	200	\$0.125 - .07	\$0.07 - .05		Me. C.
19	City.....		500	300		(200)	.18	.10	John Abrahams.	Me. C.
20					106	100				Me.
21	Private.....		1,350	2,400		1,470	.13 - .06	.10 - .05		Me. C.
22	Do.....		240	125		75	.15	.10		C.
23			(200)	(250)		150				C.
24	Private.....		325	300		150	.12 - .06	.05		Me. C.
25	Do.....				50	30	.15	.08		Me. C.
26		212			100	200	.04			Me. C.
27			1,400	1,870		1,150				Me. M. C.
28			(3,000)	(3,700)		2,250				M.
29	Private.....	7,000				4,000				M. Me.
30			2,120	8,000		3,250	.05	.05 - .01		Me. M. C.
31	Private.....		400	250		200	.15 - .10	.10 - .025	Publie Light & Power Co.....	Me. C.
32	Do.....		300	175	100	175	.12 - .07	.10 - .03		Me. C.
33			1,000	1,100		1,010				Me. M.
34							.10 - .05		Bowersock Mills & Power Co..	Me. C.
35			300	210		224				Me. C.
36			200	160		100				Me.
37	Private.....		375	250		187	.10 - .06	.06 - .04		Me. C.
38			450	300		200				C. Me.
39			170	100	125	150				Me.
40			130	275		175				C.
41			250	165		200				Me. O.
42					50	35				Me. C.
43			130	100		50				Me.
44			200	75		90				Me.
45	Private.....		300	175		150	- .125	.09 - .05		Me. C.
46	Do.....	290	100	210		175	.125 - .04	.10 - .03		Me. C.
47					65	40				Me.
48		150	160	120		160				Me. O.
49									United Water, Gas & Electric Co.	M. C.
50	Private.....		1,000	1,600		1,200				Me. O.
51			3,356	5,891		4,420	.09			Me. M.
52	Private.....		725	800		500	.10 - .04	.05 - .025		Me. O.
53									Great Bend Water & Electric Co.	Me.
54		150	300	300		75	.07	.02		Me. C.
55			100	105		37½				Me.
56	Private.....		450	500		300	.05		Empire Distriet Electric Co..	C. Me.
57	Do.....		1,125	1,400		800				C. Me.
58									Kansas City Electric Light Co. of Missouri.	Me.
59	Private.....				400	255	.10		Metropolitan Street Ry. of Kansas City.	Me.
60			500	600		400				Me. M.
61					50	37½				C.
62					300	250				C.
63					280	160				Me.
64			180	160		90				Me.
65		1,015	800	840		1,050				Me. C.
66	Private.....		300	300		175	.15 - .08	.10 - .06		Me. C.
67			900	2,030		1,500				Me. M. C.
68			250	150		105				Me.
69			650	1,000		700	.10 - .06	.055- .02	Rocky Ford Milling & Power Co.	Me. C.
70		250				450				Me.
71			160	235		235				Me.
72					50	37½				Me.
73	Private.....		160	270		175	.15 - .08			C.
74			425	500		325				Me. C.
75					92	60				Me.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## KANSAS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
76	Morrill Electric Light Co.	D.		Morrill.		
77	Morris Electric Power Co.	GD.	Stirling.	Stirling.	Stirling.	
78	Moxley & Co.	GTD.	Oskaloosa and McSouth.	Oskaloosa.	Oskaloosa.	
79	Mulvane Ice & Cold Storage Co.	GD.	Mulvane.	Mulvane.	Mulvane.	
80	Nortonville Electric Light, Power & Heat Co.	GD.	Nortonville.	Nortonville.	Nortonville.	
81	Olathe Electric Light & Power Co.	GD.	Olathe.	Olathe.	Olathe.	
82	Onaga Light, Heat & Power Co.	GD.	Onaga.	Onaga.	Onaga.	
83	Osage County Light & Power Co.	D.	Melvorn and Quenemo.	Lyndon.		
84	Oswego Light, Power & Supply Co.	GD.	Oswego.	Oswego.	Oswego.	
85	Parsons Railway & Light Co.	GD.	Parsons.	Parsons.	Parsons.	
86	Peabody Light, Power & Ice Co.	GD.	Peabody.	Peabody.	Peabody.	
87	Peoples Electric Light & Power Plant.	GD.	Ellsworth.	Ellsworth.	Ellsworth.	
88	Peoples Electric Light Co.	GD.	Paola.	Paola.	Paola.	
89	Phillipsburg Mill & Elevator Co.	GD.	Phillipsburg.	Phillipsburg.	Phillipsburg.	
90	Plainville Mill & Elevator Co.	GD.	Plainville.	Plainville.	Plainville.	
91	Pratt Light & Ice Co.	GD.	Pratt.	Pratt.	Pratt.	
92	Pretty Prairie Electric Light & Power Co.	GD.	Pretty Prairie.	Pretty Prairie.	Pretty Prairie.	
93	Protection Electric Light Co.	GD.		Protection.		
94	Riverside Light & Power Co.	G.	Abilene and Enterprise.	Abilene.		
95	Sedan Electric Light & Power Co.	GD.	Sedan.	Sedan.	Sedan.	
96	Shady Bend Milling & Power Co.	GD.	Shady Bend.	Shady Bend.	Shady Bend.	
97	Smith Center Milling, Elevator & Light Co.	GD.	Smith Center.	Smith Center.	Smith Center.	
98	Smith, C. W., Electric & Ice Co.	GD.	Larned.	Larned.	Larned.	
99	Swartz, Henry, Electric Co.	GD.		Valley Falls.		
100	Sylvia Electric Light Co.	GD.		Sylvia.		
101	Syracuse Electric Light Co.	GD.		Syracuse.	S. 7. T. 24 S., R. 40 W.	
102	Troth Electric Co.	GD.	Valley Falls.	Valley Falls.	Valley Falls.	
	United Gas & Electric Corporation of Connecticut.	H.				
103	Leavenworth Light, Heat & Power Co.	GD.	Leavenworth.	Leavenworth.	Leavenworth.	
104	United States Reclamation Service.	GD.		Deerfield.	Garden City.	
105	Union Light & Power Co.	GTD.	Junction City and Fort Riley.	Junction City.	Junction City.	
106	Wellsville Electric Light & Power Co.	GD.	Wellsville.	Wellsville.	Wellsville.	
107	Wilson Electric Light Co.	GD.	Wilson.	Wilson.	Wilson.	
108	Yates Center Electric Light & Power Co.	GD.	Yates Center.	Yates Center.	Yates Center.	

## B.—MUNICIPAL PLANTS.

109	GD.	Almena.	Almena.	Almena.	
110	GD.	Anthony.	Anthony.	Anthony.	
111	GD.	Ashland.	Ashland.	Ashland.	
112	GD.	Augusta.	Augusta.	Augusta.	
113	GD.	Baldwin.	Baldwin.	Baldwin.	
114	GD.	Belle Plaine.	Belle Plaine.	Belle Plaine.	
115	GD.	Belleville.	Belleville.	Belleville.	
116	GD.	Beloit.	Beloit.	Beloit.	
117	GD.	Bucklin.	Bucklin.	Bucklin.	
118	GD.	Burlingame.	Burlingame.	Burlingame.	
119	GD.	Caldwell.	Caldwell.	Calwell.	
120	GD.	Centralia.	Centralia.	Centralia.	
121	GD.	Chanute.	Chanute.	South Santa Fe.	
122	GD.	Chetopa.	Chetopa.	Chetopa.	
123	GD.	Cimarron.	Cimarron.	Cimarron.	
124	GD.	Clay Center.	Clay Center.	Clay Center.	
125	GD.	Clearwater.	Clearwater.	Clearwater.	
126	GTD.	Coffeyville and South Coffeyville.	Coffeyville.	Coffeyville.	
127	GD.	Colby.	Colby.	Colby.	
128	GD.	Coldwater.	Coldwater.	Coldwater.	
129	GD.	Delphos.	Delphos.	Delphos.	
130	GD.	De Soto.	De Soto.	De Soto.	
131	GD.	Ellinwood.	Ellinwood.	Ellinwood.	
132	GD.	Ellis.	Ellis.	Ellis.	
133	GD.	Erie.	Erie.	Erie.	
134	GD.	Garnett.	Garnett.	Garnett.	
135	GD.	Geneseo.	Geneseo.	Geneseo.	
136	D.	Glasco.	Glasco.		
137	GD.	Girard.	Girard.	Girard.	
138	GD.	Greensburg.	Greensburg.	Greensburg.	
139	GD.	Harper.	Harper.	Harper.	
140	GTD.	Herington and Hope.	Herington.	Herington.	
141	GD.	Hiawatha.	Hiawatha.	Hiawatha.	
142	GD.	Holton.	Holton.	Holton.	
143	D.	Hope.	Hope.		
144	GTD.	Horton and Whiting.	Horton.	Horton.	
145	D.	Iola.	Iola.	Iola.	
146	D.	Jamestown.	Jamestown.		
147	GD.	Jctmore.	Jctmore.		
148	GD.	Kansas City.	Kansas City.	Kansas City.	
149	GD.	Kingman.	Kingman.		
150	GD.	Kiowa.	Kiowa.	Kiowa.	
151	GD.	La Crosse.	La Crosse.	La Crosse.	
152	GD.	La Cygne.	La Cygne.		
153	GD.	Lebanon.	Lebanon.	Lebanon.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## KANSAS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
76	City.....						\$0.12		City of Sabetha.....	O.
77			150	128		207½				Mc. C.
78			180	205		305				Mc. C.
79			240	125		82½	\$0.15 - .10	\$0.08		Mc. O.
80	Private.....		100	90		30	.15 - .10	\$0.10 - .04		Mc. O.
81			350	300		225				Mc. C.
82					75	48	.12 - .06	.10 - .06		Mc. C.
83										Mc.
84					150	125				Mc.
85	Private.....		500	1,400		1,300	.10 - .04			Mc. O.
86	do.....		300	175		100	.12 - .08	.06 - .03		Mc. C.
87			250	85	50	185				Mc. C.
88			125	125		75				Mc.
89	Private.....		380	350		140	.15	.05		Mc. C.
90	do.....		300	200		100	.10			Mc. C.
91			300	300		150				Mc.
92					60	30				Mc. C.
93	City.....				75	50				O.
94		800	850	1,350		1,400	.10	.05 - .0125		Mc. C.
95	Private.....				102	50	.10	.05		Mc. O.
96		76	100	86		50				Mc.
97			250	225		150				Mc.
98			450	325		225	.125	.05		Mc. C.
99	Private.....				72		.15 - .10			O.
100	do.....				60	37½	.15 - .10			C.
101					80	50	.125			C.
102		120	100	50		100				
103	Private.....		1,900	1,925		1,300	.11 - .06	.0275		Mc. M. C.
104				700		450				O.
105			1,100	1,000		800				Mc.
106					120	80	.10			Mc. C.
107			200	200		150				Mc.
108	Private.....		150	135		125	.125 - .08			Mc. C.
Total, A.....		11,563	41,023	63,080	4,544	52,041				

## B.—MUNICIPAL PLANTS.

109					60	50				Mc.
110	Private.....		250	250		175	\$0.10 - \$0.06	\$0.06		Mc. C.
111	City.....				150	105	.15 - .10			Mc. O.
112					100	62½				Mc.
113					235	135				Mc.
114	City.....				100	75	.10 - .06	\$0.10 - .04		Mc. O.
115			160	125	170	225				Mc. C.
116			300	350		350				Mc.
117					140	100				Mc.
118			200	100		90				Mc.
119	Private.....		185	200		225				Mc. C.
120			80	100		125				Mc. C.
121	City.....		150	650		615	.08	.04 - .02		Mc. O.
122			250	150		95				Mc.
123	City.....				60	(40)	.125			O.
124			350	300		218				Mc.
125					80	50				Mc.
126			750	1,275		900				Mc.
127			200	175		125				Mc.
128	City.....				180	130	.15 - .10	.08 - .06		Mc. C.
129		125	125			50				C.
130						9½				C.
131	City.....		200	200		125	.15 - .10	.06		Mc. C.
132			300	150		75	.15 - .10			Mc. C.
133	City.....		300	185		75	.08	.05 - .03		Mc.
134			130	275		175				Mc. C.
135	Private.....				25	25	.15			C.
136							.125		Concordia Electric Light Co.	Mc.
137			300	600		350				Mc.
138					110	60				Mc.
139			300	300		170				Mc.
140			300	575		375				Mc. C.
141			200	100		75				Mc.
142			35	700		470				Mc.
143							.125		City of Herington.....	Mc.
144	City.....		300	700		190	.12 - .073			Mc. O.
145							.15 - .10	.075	Concordia Electric Light Co.	Mc. C.
146						30				Mc. O.
147			2,950	8,320		4,500				Mc. C.
148										
149			300	300	100	255				Mc.
150			150	250		175				Mc.
151	Private.....		180	150		90	.12			Mc. C.
152	City.....		220	70		50	.125 - .10			C.
153					100	75				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## KANSAS—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
154		GD	Lincoln	Lincoln	Lincoln	
155		GD	Lindsborg	Lindsborg	Lindsborg	
156		GD	Lucas	Lucas	Lucas	
157		GD	Lyndon	Lyndon	Lyndon	
158		GD	McCune	McCune	McCune	
159		GD	McPherson	McPherson	McPherson	
160		GD	Madison	Madison	Madison	
161		GD	Marion	Marion	Marion	
162		GD	Marquette	Marquette	Marquette	
163		GD	Moundridge	Moundridge	Moundridge	
164		GTD	Mulberry and Burgess, Mo.	Mulberry	Mulberry	
165		GD	Neodesha	Neodesha	Neodesha	
166		GD	Ness City	Ness City	Ness City	
167		D	Nickerson	Nickerson		
168		GD	Norton	Norton	Norton	
169		GD	Oakley	Oakley	Oakley	
170		GD	Oberlin	Oberlin	Oberlin	
171		GD	Oketo	Oketo	Oketo	
172		GD	Osage City	Osage City	Osage City	
173		GD	Osawatomie	Osawatomie	Osawatomie	
174		GD	Osborne	Osborne	Osborne	
175		GD	Ottawa	Ottawa	Ottawa	
176		GD	Perry	Perry	Perry	
177		GD	Russell	Russell	Russell	
178		GD	St. John	St. John		
179		GD	St. Marys	St. Marys	St. Marys	
180		GTD	Sabetha and vicinity	Sabetha	Sabetha	
181		GD	Scott City	Scott City	Scott City	
182		GD	Seneca	Seneca	Seneca	
183		GD		Soldier	Soldier	
184		GD	South Haven	South Haven	South Haven	
185		GD	Stockton	Stockton	Stockton	
186		GD		Sylvan Grove	Sylvan Grove	
187		GD	Syracuse	Syracuse	Syracuse	
188		GD	Topeka	Topeka	Topeka	
189		GD	Towanda	Towanda	Towanda	
190		GD	Wakeeney	Wakeeney	Wakeeney	
191		D	Walthena	Walthena		
192		GD	Wamego	Wamego	Wamego	
193		GD		Waterville	Waterville	
194		GD	Waverly	Waverly	Waverly	
195		GD	Wellington	Wellington	Wellington	
196		GD	Wetmore	Wetmore	Wetmore	
197		GD	Wilson	Wilson	Wilson	
198		GD	Winfield	Winfield	Winfield	

## C.—ALL OTHER PLANTS.

199	Garden City Sugar & Land Co.		Irrigation			
200	Helmers Manufacturing Co.		Manufacturing			
201	Hogan Milling Co., The					Smoky Hill
202	Manhattan City & Interurban Ry. Co.		Electric railway	Manhattan	Manhattan	
203	Missouri & Kansas Interurban Ry. Co.		do.	Overland Park	Overland Park	
204	Morris Co.					
205	Shaw Manufacturing Co.					
206	Smith Ice Co.			Pleasanton	Pleasanton	
207	Union Traction Co., The		Electric railway	Independence	Independence	

## KENTUCKY.

## A.—PUBLIC UTILITY PLANTS.

1	American Railways Co.	H				
	Boyd County Electric Co.	D	Ashland and Catlettsburg	Ashland		
2	Arnold, W. E., Flour Mill	GD	Owenton	Owenton	Owenton	
3	Bagby, J. A., Electric Light Plant	GD	Grayson	Grayson	Grayson	
4	Barbourville Electric Light, Heat & Power Co.	GD	Barbourville	Barbourville	Barbourville	
5	Beaver Dam Milling Co.	GD	Beaver Dam	Beaver Dam	Beaver Dam	
	Byllesby, H. M., & Co.	M				
6	Louisville Gas & Electric Co.	GD	Louisville and vicinity	Louisville	Louisville	
7	Campbellsville Public Utilities Co.	GD	Campbellsville	Campbellsville	Campbellsville	
8	Carlisle Electric Light & Power Co.	GD	Carlisle	Carlisle	Carlisle	
9	Central City Light & Power Co.	GD	Central City	Central City	Central City	
10	Citizens Lighting Co.	GD	Vine Grove	Vine Grove	Vine Grove	
11	Clay Light & Ice Co.	GD	Clay	Clay	Clay	
12	Clinton Water & Light Co.	GD	Clinton	Clinton	Clinton	
	Columbia Gas & Electric Co. of West Virginia	H				
13	South Covington & Cincinnati Street Railway Co.	GD	Covington, Newport	Newport	Newport	
14	Union Light, Heat & Power Co.	D	Belleville, Dayton, St. Thomas and vicinity.			



MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

### KANSAS—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
154	City.....		250	200		125	\$0.125	\$0.10		Mc. C.
155			180	300		250				Mc.
156					50	50				Mc.
157					120	75				Mc.
158					90	87½				Mc. C.
159	Private.....		300	400		250	\$0.125- .05	.04		Mc. C.
160					65	50				Mc.
161					210	125				Mc.
162			120	120		40				Mc.
163					100	60				Mc.
164			200	160		100				Mc.
165			300	550		375				Mc. C.
166					80	50				Mc.
167									United Water, Gas & Electric Co.	Mc. O.
168					150	100				Mc.
169					80	50				Mc.
170			110	100		75				Mc.
171	Private.....				25	18	.15			Mc. C.
172			400	150	225	275				Mc. C.
173					160	120				Mc.
174			100	85		75				Mc.
175	City.....		440	430		430	.10 - .04	07 - .025		Mc. O.
176					30	17				Mc.
177	Private.....				275	150	.125- .08	.05		Mc. C.
178						175				C.
179			250	200		125				Mc.
180			400	100		314				Mc. C.
181					95	53	.125- .10			Mc. C.
182			320	250		200				Mc.
183	City.....									C.
184	Private.....				25	30	.14 - .09			Mc. C.
185					160	112½	.10 - .07	.06		Mc. C.
186	City.....				82	75	.15			C.
187	Private.....				80	50	.125			Mc. O.
188	City.....		450	550		500				Mc. C.
189					50	136				Mc.
190					80	50				Mc.
191									St. Joseph Street Ry. Co.	Mc.
192	Private.....		300	240		240	.10	.06 - .03		Mc. C.
193					(80)	50				C.
194	City.....		180	125		72½	.15 - .13			Mc. C.
195			450	500		400				Mc.
196					50	35				Mc.
197					200	125				Mc.
198	City.....		600	1,150		400				Mc.
	Total, B.....	125	14,830	22,160	4,172	17,381				Mc. O.

C.—ALL OTHER PLANTS.

199					3,375				C.
200					150				C.
201					300				C.
202		250	250		200				Mc.
203				700	500				Mc. M.
204			1,000		650				C.
205					5				C.
206					75				O.
207				2,200	1,500				Mc.
	Total, C.....	250	1,250	2,900	6,755				
	Grand total.....	11,688	56,103	86,490	11,616	76,177			

## KENTUCKY.

### A.—PUBLIC UTILITY PLANTS.

[illegible]

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## KENTUCKY—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
15	Columbia Lighting Co.....	GD.....	Columbia.....	Columbia.....	Columbia.....	
16	Consolidated Coal Co.....	GD.....	Paintsville and Prestonsburg.	Van Lear.....	Van Lear.....	
	McCaskey, W. T., & Co. <sup>a</sup> .....	H.....				
17	Leitchfield Electric Light & Power Co.....	GD.....	Leitchfield.....	Leitchfield.....	Leitchfield.....	
18	Cynthiana Electric Light Co.....	GD.....	Cynthiana.....	Cynthiana.....	Cynthiana.....	
19	Dawson Light & Power Co.....	GD.....	Dawson Springs.....	Dawson Springs.....	Dawson Springs.....	
20	Day Electric & Coal Co.....	GD.....	Jackson.....	Jackson.....	Jackson.....	
21	De Baun, W. J.....	GD.....	Perryville.....	Perryville.....	Perryville.....	
22	Electric Light Co., The.....	GD.....	Owingsville.....	Owingsville.....	Owingsville.....	
23	Emmick, Jesse C., Electric Light Plant.....	GD.....	Lewisport.....	Lewisport.....	Lewisport.....	
24	Flemingsburg Light & Ice Co.....	GD.....	Flemingsburg.....	Flemingsburg.....	Flemingsburg.....	
25	Franklin Electric & Ice Co. (Inc.).....	GD.....	Franklin.....	Franklin.....	Franklin.....	
26	Georgetown Water, Gas, & Electric Power Co.....	D.....	Georgetown.....	Georgetown.....	Georgetown.....	
27	Glasgow Electric Light & Ice Co.....	GD.....	Glasgow.....	Glasgow.....	Glasgow.....	
28	Green River Light & Water Co.....	GD.....	Calhoun.....	Calhoun.....	Calhoun.....	
29	Greenup Light Co.....	D.....	Greenup.....	Greenup.....	Greenup.....	
30	Greenville Light & Water Co.....	GD.....	Greenville.....	Greenville.....	Greenville.....	
31	Guthrie Milling Co.....	GD.....	Guthrie and Allensville.....	Guthrie.....	Guthrie.....	
32	Hackett, A. M., & Trunnell, W. S.....	GD.....	Livermore.....	Livermore.....	Livermore.....	
33	Hawesville Electric Light, Heat & Power Co.....	GD.....	Hawesville.....	Hawesville.....	Hawesville.....	
34	Hodgenville Light Co.....	GD.....	Hodgenville.....	Hodgenville.....	Hodgenville.....	
35	Home Electric Light Co., The.....	GD.....	Corbin.....	Corbin.....	Corbin.....	
36	Home Lighting Co.....	GD.....	Uniontown.....	Uniontown.....	Uniontown.....	
	Hood, J. W.....	GD.....				
37	(Lessor, city of Scottsville).....	L.....	Scottsville.....	Scottsville.....	Scottsville.....	
38	Kentucky Light & Power Co.....	GD.....	Hartford.....	Hartford.....	Hartford.....	
	White, J. G., & Co. (Inc.) <sup>b</sup> .....	M.....				
39	Kentucky Public Service Co.....	GD.....	Bowling Green.....	Bowling Green.....	Bowling Green.....	
40	Do.....	GD.....	Frankfort.....	Frankfort.....	Frankfort.....	
41	Do.....	GTD.....	Hopkinsville.....	Hopkinsville.....	Hopkinsville.....	
	Kentucky Securities Corporation.....	H.....				
42	Lexington Utilities Co.....	GTD.....	Lexington, Frankfort, and vicinity.	Lexington.....	Lexington.....	
43	Lafayette Ice & Electric Co.....	GD.....	Lafayette.....	Lafayette.....	Lafayette.....	
44	La Grange Light & Power Co.....	GD.....	La Grange.....	La Grange.....	La Grange.....	
45	Lebanon Light, Ice & Power Co.....	GD.....	Lebanon.....	Lebanon.....	Lebanon.....	
46	Liberty Roller Mills Co.....	GD.....	Liberty.....	Liberty.....	Liberty.....	
47	Light & Development Co. of St. Louis.....	H.....				
	Danville Light, Power & Traction Co.....	GD.....	Danville.....	Danville.....	Danville.....	
48	Paris Gas & Electric Co.....	GD.....	Paris.....	Paris.....	Paris.....	
49	Logan, H. M.....	GD.....	Bloomfield.....	Bloomfield.....	Bloomfield.....	
50	London Electric Light & Power Co.....	GD.....	London.....	London.....	London.....	
51	Marion Electric Light & Ice Co.....	GD.....	Marion.....	Marion.....	Marion.....	
52	Mayfield Water and Light Co.....	GD.....	Mayfield.....	Mayfield.....	Mayfield.....	
53	Maysville Public Service Co.....	GD.....	Maysville.....	Maysville.....	Maysville.....	
	Middle West Utilities Co.....	H.....				
54	Kentucky Utilities Co.....	GD.....	Elizabethtown.....	Elizabethtown.....	Elizabethtown.....	
55	Do.....	GD.....	Middlesboro.....	Middlesboro.....	Middlesboro.....	
56	Do.....	GD.....	Pineville and Midway.....	Pineville.....	Pineville.....	
57	Do.....	GD.....	Richmond, Newcastle, Pleasantville.	Richmond.....	Richmond.....	
58	Do.....	GD.....	Shelbyville and Eminence.....	Shelbyville.....	Shelbyville.....	
59	Do.....	GD.....	Burnside and Somerset.....	Somerset.....	Somerset.....	
60	Do.....	GD.....	Winchester and Mount Sterling.	Winchester.....	Winchester.....	
61	Monticello Electric Light & Power Co.....	GD.....	Monticello.....	Monticello.....	Monticello.....	
62	Morganfield Light & Power Co. (Inc.).....	GD.....	Morganfield.....	Morganfield.....	Morganfield.....	
63	Mutual Realty & Leasing Co.....	GD.....	Olympia.....	Olympia.....	Olympia.....	
	National Light & Power Co.....	H.....				
64	Public Service Co. of Western Kentucky.....	GD.....	Fulton, Riceville, and South Fulton, Tenn.	Fulton.....	Fulton.....	
65	Do.....	GD.....	Hickman.....	Hickman.....	Hickman.....	
66	Paintsville Water & Light Co.....	D.....	Paintsville and The Alka.....	Paintsville.....	Paintsville.....	
67	Payne, C. R.....	GD.....	Burkesville.....	Burkesville.....	Burkesville.....	
68	Princeton Light & Power Co.....	GD.....	Princeton.....	Princeton.....	Princeton.....	
	Providence Mining Co.....	H.....				
69	Providence Electric Light Co.....	GD.....	Providence.....	Providence.....	Providence.....	
70	Richmond Electric & Power Co.....	D.....	Richmond.....	Richmond.....	Richmond.....	
71	Rose, C. C., Electric Light Plant.....	GD.....	Lancaster.....	Lancaster.....	Lancaster.....	
72	St. Bernard Mining Co.....	GD.....	Earlington.....	Earlington.....	Earlington.....	
73	Sandy Valley Light & Power Co.....	GD.....	Pikeville.....	Pikeville.....	Pikeville.....	
74	Shepherdsville Electric Light, Ice & Water Co.....	GD.....	Shepherdsville.....	Shepherdsville.....	Shepherdsville.....	
75	South Kentucky Power Co.....	D.....	Pembroke and Trenton.....	Pembroke.....	Pembroke.....	
76	Springfield Water & Electric Light Co.....	GD.....	Springfield.....	Springfield.....	Springfield.....	
77	Stanford Water, Light & Ice Co.....	GD.....	Stanford.....	Stanford.....	Stanford.....	
	Stone & Webster Management Association.....	M.....				
78	Paducah Light & Power Co.....	GD.....	Paducah and vicinity.....	Paducah.....	Paducah.....	
79	Sturgis Electric Light Co.....	GD.....	Sturgis.....	Sturgis.....	Sturgis.....	
80	Vanceburg Light Co.....	GD.....	Vanceburg.....	Vanceburg.....	Vanceburg.....	
81	Walton Electric Light Co.....	GD.....	Walton.....	Walton.....	Walton.....	
82	Warren Light & Power Co.....	GD.....	Warren.....	Sebree.....	Warren.....	
83	Williamsburg Electric Light Co.....	GD.....	Williamsburg.....	Williamsburg.....	Williamsburg.....	
84	Williamstown Mill & Light Co.....	GD.....	Williamstown.....	Williamstown.....	Williamstown.....	

<sup>a</sup> W. T. McCaskey & Co. is not placed in alphabetical order.



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## KENTUCKY—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
15			80	80		35				Mc. C.
16	Private.....		1,000	1,500		1,000	\$0.03 - \$0.015			C.
17	Do.....		160	67		50	.17 - .10	\$0.10 - \$0.04		Mc. M. C.
18	Do.....		300	475		475	.10	.08		Mc. C.
19			180	90		50				Mc.
20										Mc.
21			75	65		(35)				Mc.
22	Private.....		50		50	25				C.
23			50	50		26				Mc.
24			125	75		60				Mc.
25	Private.....		300	450		270	.12 - .04	.06 - .02		Mc. M. C.
26							.12		Lexington Utilities Co.	Mc. M. C.
27	Private.....		200	400		287½	.15	.125		Mc. C.
28	Do.....		130	75		75	.12			Mc. C.
29										Mc.
30			300	197		105				Mc. C.
31			100	100		75				M.
32			275	138		75	.125			Mc.
33			75	100		(60)				Mc.
34			125	100		70				Mc. C.
35			125	200		160				Mc.
36			200	150		135				Mc. M. C.
37	Private.....		100	100		75	.15	.15		Mc. C.
38			(70)	100		40				Mc.
39			900	1,710		1,500	.08			Mc. M. C.
40			750	700		750				Mc. M.
41	Private.....		375	850		450	.12 - .06			Mc. M. C.
42			2,524	6,670		5,000	.15 - .12	.10 - .03		Mc. M. O. C.
43			35	25		12				Mc.
44			150	125		75	.15			C.
45	Private.....		350	350		270	.125 - .0875	.125 - .0375		Mc. C.
46	Do.....		35	35		15				Mc. C.
47			440	330	225	310	.12 - .06	.10 - .025		Mc. M. C.
48	Private.....		350	500		325	.12 - .035	.10 - .015	Lexington & Traction & Terminal Co.	Mc. M. C.
49	Do.....		100	100		20½	.15			Mc.
50			125	150		90				Mc. C.
51	Private.....		150	128		(80)				Mc.
52			1,200	1,200		800				Mc.
53			600	600		650				Mc. M.
54	Private.....		240	225		125	.13 - .08	.11 - .04		Mc. M. C.
55	Do.....		400	400		260	.13 - .08	.11 - .04		Mc. C.
56	Do.....		200	200		150	.13 - .08	.11 - .04		Mc. C.
57	Do.....		300	300		275	.13 - .08	.11 - .04		Mc. C.
58	Do.....		400	400		300	.13 - .08	.11 - .04		Mc. M. C.
59	Do.....		600	820		500	.13 - .08	.11 - .04		Mc. C.
60	Do.....		150	350	500	400	.13 - .08	.11 - .04		Mc. M. C.
61			100	150		100				Mc.
62			450	350		270				Mc.
63					54	30				Mc.
64			435	440		450				Mc. M.
65			250	300		225				Mc. M.
66									Consolidated Coal Co.	Mc.
67			(50)	(75)		45				Mc.
68			350	325		290				Mc.
69	Private.....		450	168		75	.12 - .10	.12 - .12		Mc. C.
70							.13			M.
71			(100)	100		100				Mc. C.
72	Private.....		750	970		700				Mc. C.
73									Consolidated Coal Co.	Mc.
74	Private.....		60	32	6	28	.25			Mc. C.
75							.12 - .10	.04 - .02	Kentucky Public Service Co.	Mc. C.
76			400	165		100				Mc.
77			400	225		45				Mc.
78	Private.....		2,249	2,350		1,830	.10	.08 - .04		Mc. M. C.
79	Do.....		750	750		465	.12 - .05			Mc. C.
80	Do.....		85	75		90	.125			Mc. C.
81	Do.....				40	25	.10			Mc.
82	Do.....		200	150		120				Mc.
83			200	185		150				Mc.
84					50	35				Mc.
Total, A.....			40,433	71,090	1,035	53,284				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

**KENTUCKY**—Continued.

## B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
85		GD	Augusta	Augusta	Augusta	
86		GD	Bardstown	Bardstown	Bardstown	
87		GD	Bowling Green	Bowling Green		
88		GD	Brookville	Brookville	Brookville	
89		GD	Carrollton	Carrollton	Carrollton	
90		D	Eddyville	Eddyville		
91		GD	Falmouth	Falmouth	Falmouth	
92		GD	Harrodsburg	Harrodsburg	Harrodsburg	
93		GD	Henderson	Henderson	Henderson	
94		GD	Madisonville	Madisonville	Madisonville	
95		GD	Morehead	Morehead	Morehead	
96		GD	Murray	Murray	Murray	
97		GD	Nicholasville	Nicholasville	Nicholasville	
98		GD	Owensboro	Owensboro	Owensboro	
99		GD	Paducah	Paducah	Paducah	
100		GD	Russellville	Russellville	Russellville	
101		GD	State penitentiary	State penitentiary	Eddyville	
102		GD	Wickliffe	Wickliffe	Wickliffe	

## C.—ALL OTHER PLANTS.

103	Evansville Railways Co.	H				
	Owensboro City Railroad Co.	G	Electric railway	Owensboro	Owensboro	
104	Kentucky Southwestern Electric Railway, Light & Power Co.	G	Paducah	Paducah	Paducah	
	Louisville Traction Co.	H				
105	Louisville Railway Co.	G	Electric railway	High Street	Louisville	
106	Do.	G	do	Campbell Street	do	
107	Southern Traction Co.	G	do	Bowling Green	Bowling Green	

**LOUISIANA.**

## A.—PUBLIC UTILITY PLANTS.

1	Algiers Railway & Lighting Co.	GTD	Algiers	Algiers	Algiers	
	Bernice Lumber Company (Ltd.)	H				
2	Bernice Electric Light Co.	D	Bernice	Bernice		
3	Bunkie Ice Co.	GD	Bunkie	Bunkie	Bunkie	
4	Central Light & Power Co.	GD	Amite	Amite	Amite	
5	De Ridder Light & Power Co.	GD	De Ridder	De Ridder	De Ridder	
6	Dunlap Electric Co.	GD	Plaquemine	Plaquemine	Plaquemine	
7	Hammond Ice, Light & Bottling Co. (Ltd.)	GD	Hammond	Hammond	Hammond	
8	Hood Light Co.	GD	Franklinton	Franklinton	Franklinton	
9	Houma Lighting & Ice Manufacturing Co.	GD	Houma	Houma	Houma	
10	Jennings Gas & Electric Co.	GD	Jennings	Jennings	Jennings	
11	Kenon, E. B., Electric Light Plant	GD	Kentwood	Kentwood	Kentwood	
12	Lake Charles Railway, Light & Water Works Co.	GTD	Lake Charles	Lake Charles	Lake Charles	
13	Leesville Light & Water Works Co. (Ltd.)	GD	Leesville	Leesville	Leesville	
14	Mandeville Light & Ice Co.	GD	Mandeville	Mandeville	Mandeville	
15	Mansfield Ice Co. (Ltd.)	GD	Mansfield and South Mansfield	Mansfield	Mansfield	
16	Minden Electric Light & Power Co. (Ltd.)	GD	Minden	Minden	Minden	
17	Morgan City Electric Co. (Ltd.)	GD	Morgan City	Morgan City	Morgan City	
18	North Louisiana Light & Power Co.	GD	Arcadia	Arcadia	Arcadia	
19	Patterson Light & Power Co.	D	Patterson	Patterson	Patterson	
20	Ponchatoula Ice Co.	GD	Ponchatoula	Ponchatoula	Ponchatoula	
21	St. Tammany Ice & Manufacturing Co.	GD	Covington	Covington	Covington	
22	Shipp, Carl, Light Plant	D		Winnboro		
23	Southwestern Gas & Electric Co.	GD	Caddo and Bossier Counties	Shreveport	Shreveport	
24	Stokoe, E. C., Light Plant	GD	Jeannette	Jeannette	Jeannette	
	Stone & Webster:					
25	Baton Rouge Electric Co.	GTD	Baton Rouge	Baton Rouge	Baton Rouge	
	United Gas & Electric Corporation of Connecticut	H				
26	Consumers Electric Light & Power Co.	GD	New Orleans	New Orleans	New Orleans	
27	New Orleans Railway & Light Co.	GTD	do	Elysian Fields	do	
28	Do.	GTD	do	Market Street	do	
29	Do.	GTD	do	Union Street	do	
30	Williams, F. B., Cypress Co.			Patterson	Patterson	
31	Winnfield Ice & Light Co.	GD	Winnfield	Winnfield	Winnfield	
32	Zwolle Light, Ice & Power Co.	GD	Zwolle	Zwolle	Zwolle	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## KENTUCKY—Continued.

## B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
85	Private.....		200	150		105	\$0.10			Mc. C.
86										M.
87									Kentucky Public Service Co.	Mc.
88				60		30				Mc.
89			300	350		225				Mc.
90									State penitentiary.....	Mc.
91			200	90		50				Mc.
92			400	525		700				Mc.
93			1,775	2,000		1,800				Mc.
94			300	300		200				Mc.
95			125	90		50				Mc. C.
96			150	160		96				Mc.
97	Private.....		300	335		215	.03	\$0.03		Mc. C.
98			1,800	2,800		2,000				Mc.
99			330	600		(360)				Mc.
100										
101			375	150		180				Mc.
102			120	120		75				Mc.
	Total, B.....		6,375	7,730		6,131				

## C.—ALL OTHER PLANTS.

103	Private.....		600	700		600				C.
104			2,000	(2,500)		(1,500)				Mc.
105	Private.....		4,000	16,000		12,000				C.
106	Do.....		14,000	28,130		14,600				C.
107			700	700		450				Mc.
	Total, C.....		21,300	48,030		29,150				
	Grand total.....		68,108	126,850	1,035	88,565				

## LOUISIANA.

## A.—PUBLIC UTILITY PLANTS.

1			(600)	(1,000)		600	\$0.20			M. Mc.
2										Mc.
3			200	100	120	100	.15	\$0.05		C. Mc.
4			225	200		90				M. Mc.
5			300	220		150				Mc.
6	Private.....		300	250		165	.15	.075		C. Mc.
7			460	400		325	\$0.15 - .075	\$0.125- .04		C. Mc.
8			60		80	(50)				Mc.
9			275							Mc.
10	Private.....		200	360	150	250	.15 - .10	.08 - .025		C.
11			125	80		50				Mc.
12			1,200	2,370		1,700				M. Mc.
13	Private.....		200	150		330	<sup>a</sup> 1.25	<sup>b</sup> 60.00		C. M. Mc.
14	Do.....		200	155		75	.15			C. Mc.
15			70	130		100				Mc.
16	Private.....				160	150	.10		Steam from Minden Lumber Co.	C. Mc.
17	Do.....				565	400	.15	.04		C. Mc.
18			100	100		60				Mc.
19							.15		F. B. Williams Co.	C. Mc.
20			120	110	60	30				Mc.
21			290	344		555				Mc.
22										Mc.
23			2,750	2,250	1,200	2,600	.085- .05			C. M. Mc.
24	Private.....		125	200		160				C. Mc.
25	Do.....		940	1,400		2,115	.10 - .05	.09 - .04		C. M. Mc.
26			3,260	5,490		6,000	.12 - .06	.08 - .04	New Orleans Railway & Lighting Co.	C. M. Mc.
27	Private.....		3,700	5,775		3,800	.09 - .06			C. Mc.
28	Do.....		11,700	48,000		42,600	.09 - .06	.05 - .0075		C. M. Mc.
29	Do.....		4,400	7,400		8,700	.09 - .06			C. M.
30										C.
31			450	200		150				Mc.
32			200	100		65				Mc.
	Total, A.....		32,450	76,784	2,335	71,370				

<sup>a</sup> Lamp-month.<sup>b</sup> Horsepower-year.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## LOUISIANA—Continued.

## B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
33		GD.	Abbeville.	Abbeville.	Abbeville.	
34		GD.	Alexandria.	Alexandria.	Alexandria.	
35		GD.	Bastrop.	Bastrop.	Bastrop.	
36		GD.	Berwick.	Berwick.	Berwick.	
37		GD.	Boyce.	Boyce.	Boyce.	
38		GD.	Crowley.	Crowley.	Crowley.	
39		GD.	Donaldsonville.	Donaldsonville.	Donaldsonville.	
40		GD.	Franklin.	Franklin.	Franklin.	
41		GD.	Homer.	Homer.	Homer.	
42		GD.	Houma.	Houma.	Houma.	
43		GD.	Lafayette.	Lafayette.	Lafayette.	
44		GD.	Lake Providence.	Lake Providence.	Lake Providence.	
45		GD.	Marksville.	Marksville.	Marksville.	
46		GTD.	Monroe.	Monroe.	Monroe.	
47		GD.	Napoleonville.	Napoleonville.	Napoleonville.	
48		GD.	Natchitoches.	Natchitoches.	Natchitoches.	
49		GD.	New Iberia.	New Iberia.	New Iberia.	
50		GD.	New Roads.	New Roads.	New Roads.	
51		GD.	Opelousas.	Opelousas.	Opelousas.	
52		GD.	Rayne.	Rayne.	Rayne.	
53		GD.	Ruston.	Ruston.	Ruston.	
54		GD.	St. Francisville, Bayou Sara.	Sr. Francisville.	St. Francisville.	
55		GD.	Tallulah.	Tallulah.	Tallulah.	
56		GD.	Thibodaux.	Thibodaux.	Thibodaux.	
57		GD.	Vidalia.	Vidalia.	Vidalia.	

## C—ALL OTHER PLANTS.

58	Shreveport Railways Co.	G.	Electric railway.	Shreveport.	Shreveport.	
59	Southern Traction & Power Co.	G.	do.	Alexandria.	Alexandria.	
60	Southwestern Traction & Power Co.	G.	do.	New Iberia.	New Iberia.	

## MAINE.

## A.—PUBLIC UTILITY PLANTS.

1	Atlantic Shore Railway Co.	GTD.	Sanford.	Estes.		Mousam River.
2	Do.			Kennebunk.	Kennebunk.	
3	Do.			Kittery Park.	Kittery Park.	
4	Bartlett, C. H., Manufacturing Co.	GD.	North New Portland.	North New Portland.	North New Portland.	Gilman.
5	Bath & Brunswick Light & Power Co.	GD.	Bath.	Bath.	Bath.	
6	Do.		Brunswick.	Brunswick.	Brunswick.	Androscoggin River.
7	Belgrade Power Co.	GD.	Belgrade Lakes and Rome.	Belgrade Lakes.		
8	Booth Bay Harbor Electric Light & Power Co.	D.	Booth Bay Harbor.	Booth Bay Harbor.		
9	Bridgton Water & Electric Co.	GD.	Bridgton.	Bridgton.	Bridgton.	Stearns Brook.
10	Bridgewater Electric Co.	D.	Bridgewater Center.	Bridgewater Center.		
11	Brownville Electric Light & Power Co.	D.	Brownville.	Brownville.		
12	Buckfield Water Power & Electric Co.	GD.	Buckfield.	Buckfield.		
13	Cabot Manufacturing Co.			Brunswick.		
14	Calais Street Railway Co.	GD.	Calais.	Calais.		Androscoggin River.
15	Do.		do.	do.		
16	Carabassett Light & Power Co.	D.	North Anson.	North Anson.		
17	Caribou Water, Light & Power Co.	GD.	Caribou.	Caribou.	Caribou.	Aroostook River.
18	Central Maine Power Co.	GTD.	Kennebec, Sagadahoc, Somerset, Waldo and Penobscot counties.	Augusta.		Kennebec River.
19	Do.			Benton.		
20	Do.			Farmingdale.		
21	Do.			Pittsfield.		Sebasticook River.
22	Do.			Showhegan.		
23	(Lessor, Shawmut Manufacturing Co.)	L.		Shawmut.		
24	Cherryfield Electric Light Co.	GD.	Cherryfield and Millbridge.	Cherryfield.	Cherryfield.	
25	Clark, F. W., & Co. Mgt. Corporation.	M.				
26	Bangor Power Co.	GTD.	Oldtown and Brewer.	Milford.	Milford.	Penobscot River.
27	Do.		Penobscot County.	Veazie.	Veazie.	do.
28	Bar Harbor & Union River Power Co.	GD.	Hancock County.	Bar Harbor.	Bar Harbor.	
29	Do.			Ellsworth.	Ellsworth.	Union River.
30	Cumberland Co. Power & Light Co.	HGTD.	Cumberland County.	Bonny Eagle.	Bonny Eagle.	Saco River.
31	Do.			North Gorham.	North Gorham.	Presumpscot River.
32	Do.			Portland.	Portland.	
33	Do.			West Buxton.	West Buxton.	Saco River.
34	Lewiston, Augusta & Waterville Street Ry. Co.			Freeport.		
35	Do.			Hallowell.		
36	Do.			Lewiston.		
37	York County Power Co.	GD.	York County.	Biddleford.	Biddleford.	
38	Do.			Sanford.	Sanford.	Mousam River.
39	Do.			York Harbor.	York Harbor.	
40	Lessor, Portland R. R. Co.			Portland, No. 1.		
	Do.			Portland, No. 2.		





TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MAINE—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
41	Clark Power Co.	GD.	York County.	Clarks Mills.		
42	Cornish & Kezar Falls Light & Power Co.	GD.	York and Oxford Counties.	Kezar Falls.	Kezar Falls.	Great Ossipee.
43	Danforth Electric Light Co.	GD.	Danforth.	Danforth.	Danforth.	Baskahegan.
44	Dixfield Light & Improvement Co.	GD.	Dixfield and Peru.	Dixfield.	Dixfield.	
45	Easton Electric Co.	D.	Easton.	Easton.		
46	Eastport Electric Light Co.	D.	Eastport.	Eastport.		
47	Emerson Lumber Co.	GD.	Island Falls.	Island Falls.	Island Falls.	Mattawamkeag River.
48	Farmington Power Co.	GD.	Farmington.	Farmington.		
49	Fort Fairfield Light & Power Co.	D.	Fort Fairfield.	Fort Fairfield.		
50	Fort Kent Electric Co.	GD.	Fort Kent and Clare, New Brunswick.	Fort Kent.		
51	Franklin Power Co.	GD.	Franklin and Somerset Counties.	Farmington.		
52	Greenville Light & Power Co.	GD.	Piscataquis County.	Foxcroft.		
53	Do.	GD.	do.	Greenville.		
54	Hartland Electric Light Co.	D.	Hartland and St. Albans.	Hartland.		
55	Houlton Mills & Light Co.	GD.	Houlton.	Houlton.		
56	Huse Spool & Bobbin Co.	GD.	Kingfield.	Kingfield.		
57	International Paper Co.	GD.		Livermore.	Livermore Falls.	Androscoggin.
58	Jordan Lumber Co.			Milford.	Milford.	
59	Limerick Water & Electric Co.	GD.	York, Cumberland and Oxford Counties.	Limerick.	Limerick.	Little Ossipee River.
60	Limestone Light & Power Co.	D.	Limestone.	Limestone.	Limestone.	
61	Livermore Falls Light & Power Co.	D.	Livermore Falls and vicinity.	Livermore Falls.		
62	Machias Electric Light Co.	GD.	Machias.	Machias.	Machias.	
	Maine Railways, Light & Power Co.	H.				
63	Androscoggin Electric Co.	GD.	Lewiston and Auburn.	Lewiston.		
64	Mechanics Falls Electric Light Co.	GD.	Androscoggin and Oxford Counties.	Mechanics Falls.	Mechanics Falls.	Little Androscoggin River.
65	Norway-Paris Street Railway Co.	GTD.	Norway and South Paris.	Norway.		
66	Do.			Paris.		
67	Rockland, Thomaston & Camden Street Railway Co.	GTD.	Rockland, Camden, Warren, Rockport.	Rockland.	Rockland.	
68	Mallison Power Co.	GD.	South Windham and Westbrook.	South Windham.	South Windham.	Presumpscot River.
69	Merrill Mill Co.	GD.	Patten.	Patten.	Patten.	Mattawomkeag.
70	Merrill-Springer Co.	GD.	Bethel.	Bethel.	Bethel.	
	Middle West Utilities Co.	H.				
71	Berwick & Salmon Falls Electric Co.	GD.	South Berwick.	South Berwick.		
72	Milo Electric Light & Power Co.	GD.	Milo.	Milo.		
73	Monmouth Electric Co.	D.	Monmouth.	Monmouth.	Monmouth.	
74	Monticello Electric Co.	D.	Monticello.	Monticello.		
75	Monson Light & Power Co.	GD.	Monson.	Monson.	Monson.	
	Moors, G. H.	GD.				
76	(Lessor, Ashland Electric Co.)	L.	Ashland and Sheridan.	Ashland.	Ashland.	Big Machias.
	New England Securities Co.	H.				
77	Lisbon Falls Electric Co.	GD.	Androscoggin County.	Lisbon Falls.		
78	Yarmouth Lighting Co.	GD.	Yarmouth and Yarmouthville.	Yarmouth.	Yarmouth.	Royals River.
79	Newport Light & Power Co.	GD.	Newport and Detroit.	Detroit.	Detroit.	
80	North Chesterfield Light & Power Co.	D.		North Chesterfield.		
81	Peaks Island Light Co.	GD.	Peaks Island.	Peaks Island.	Peaks Island.	
82	Pennamaquam Power Co.	GTD.	Eastport.	Pembroke.		
83	Penobscot Bay Electric Co.	GD.	Waldo and Hancock Counties.	Belfast.		
84	Do.			East Orland.		
85	Do.			Searsport.		
86	Petts, Joseph, Grist Mill.	D.	Harrison.	Harrison.		
87	Phillips Electric Light & Power Co.	GD.	Phillips.	Phillips.	Phillips.	Sandy River.
88	Piscataquis Woolen Co.	GD.	Guilford.	Guilford.	Guilford.	Piscataquis River.
89	Portland, Gray & Lewiston R. R. Co.	D.	Gray and New Gloucester.	Lewiston.		
90	Portland Power & Development Co.	GD.	Lincoln County.	Damariscotta.		
91	Rangeley Light & Power Co.	GD.	Rangeley.	Rangeley.	Rangeley.	
92	Readfield Light & Power Co.	GD.	Readfield.	Readfield.		
93	Rumford Falls Light & Water Co.	D.	Rumford and Mexico.	Rumford.		
94	Rumford Falls Power Co.	GD.	Rumford.	Rumford Falls.	Rumford.	Androscoggin River.
95	Staples, E. L., Light Plant.	GD.	Turner and Turner Center.	Turner.		
96	Stockholm Lumber Co.	D.	Stockholm.	Stockholm.		
97	Stratton Electric Light Co.	GD.	Stratton.	Stratton.	Stratton.	
98	Swan Falls Power Co.		Fryeburg, Conway, and Conway Center.	Fryeburg.	Fryeburg.	Saco River.
99	Thompson, C. A., & Co.	GD.	New Sharon.	New Sharon.		
100	Van Buren Light & Power Co.	D.	Van Buren.	Van Buren.	Van Buren.	Sandy River.
101	Waldoboro Water, Electric Light & Power Co.	GD.	Waldoboro.	Waldoboro.		
102	Wilton Light Co.	D.	Wilton.	Wilton.		
103	Winthrop & Wayne Light & Power Co.	GD.	Kennebec County.	Winthrop.		
104	Wiscasset Electric Light & Power Co.	D.	Wiscasset.	Wiscasset.		



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued

## MAINE—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
41	Private.....	(500)				312				Me.
42	Do.....	380				250	\$0.10	\$0.06-\$0.03		Me. C.
43	Do.....	200				150	.10	.04		C.
44			200	100		(60)				Me.
45									Maine & New Brunswick Electric Power Co.	Me.
46									Pennamaquan Power Co.....	Me.
47	Private.....	175	300	150		60	.10			Me. C.
48									Franklin Power Co.....	Me.
49									Maine & New Brunswick Electric Power Co.	Me.
50		125				100				Me.
51		800				600				Me.
52		440	310	500		300			Central Maine Power Co.....	Me.
53		800				550				Me.
54										Me.
55		300	200	150		175				Me.
56			100	100		(90)				Me.
57	Private.....	9,200	300	200		1,300		<sup>a</sup> 20.00		C.
58	Do.....		700	585		138				C.
59	Do.....	474				300	.10	.07-.013	Cumberland County Power & Light Co.	P. C.
60									Maine & New Brunswick Electric Co. (Ltd.).	C.
61									International Paper Co.....	Me.
62	Private.....	225	125	125		100	.10			Me. C.
63		1,200				930				Me. M.
64	Private.....	150	150	150		150	.09	.07-.02		Me.
65		736	600	500		639				Me. M.
66		600	600	600		750				Me.
67			500	1,350		1,500			Central Maine Power Co.....	Me.
68		1,000				721	\$0.10-.05			Me. C.
69	Private.....	80	210	210		65	.125			Me. C.
70			250	(165)		150				
71		600				600				Me.
72		500				300				Me.
73	Private.....						.10	.10	Lewiston, Augusta & Waterville (St. Ry. Co.).	C.
74									Maine & New Brunswick Electric Power Co.	Me.
75		75	(50)	45		70			Greenville Light & Power Co..	Me.
76		90				100	.12			Me. C.
77		150				100	.15-.12	.07-.03	Worumbo Mfg. Co.....	M. M. C.
78	Private.....	100	135	125		150	.10	.10-.03		M. C.
79		250	100	75		150				Me.
80										Me.
81			200	200		115				Me.
82		243				150				Me. M.
83		200	200	250		700				Me.
84		1,000				500				Me.
85			185	161		108				Me.
86										
87		110				30	.15-.10			Me. C.
88	Private.....	250	200	125		150	.10		Greenville Light & Power Co..	Me. C.
89									Androscoggin Electric Co.....	Me.
90		850	75			275				Me. M.
91					80	60				
92		98				50				Me.
93									Rumford Falls Power Co.....	Me.
94	Private.....	15,000				10,000	<sup>b</sup> 20.00			Me. M.P.C.
95		60				(35)				Me.
96										
97				70		45				
98	Private.....	300				200	.20-.10	.06		C.
99	Do.....	50				60	.10			C.
100									Maine & New Brunswick Electric Power Co.	Me.
101		125				65				Me.
102									Franklin Power Co.....	Me.
103		200				135			Central Maine Power Co.....	Me.
104									Portland Power & Development Co.	Me.
Total, A.....		103,221	25,041	33,871	155	81,933				

<sup>a</sup> Horsepower-year.<sup>b</sup> Lamp-mantle.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MAINE—Continued.

## B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
105		GD	Bangor	Bangor		Penobscot River
106		GD	Houlton	Houlton	Houlton	
107		GD	Kennebunk	Kennebunk		
108		GD	Lewiston	Lewiston		
109		GD	Madison and South Anson	Madison	Norridgewock	Sandy River

## C.—ALL OTHER PLANTS.

110	Androscoggin Pulp Co.		Manufacturing	Windham	South Windham	Presumpscot River
111	Do.		do.	Steep Falls	Standish	Saco River
112	Atlantic Shore Railway Co.	GT	Electric railway	Old Falls	Old Falls	Mousam River
113	Edwards Manufacturing Co.	G	Manufacturing	Augusta	Augusta	Kennebec River
114	Fort Hill Chemical Co.		do.	Rumford	Rumford	Androscoggin River
115	Great Northern Paper Co.			Millinocket		West branch Penobscot River
116	Hollingsworth & Whitney Co.			Gardiner		Cobbosseecontee River
117	Do.			Madison		Kennebec River
118	Do.			Waterville		do.
119	International Paper Co.		Manufacturing	Jay	Jay	Androscoggin River
120	Do.			Otis	Chisolm	do.
121	Do.		Manufacturing	Riley	Riley	do.
122	Do.		do.	Rumford Falls	Rumford Falls	do.
123	Do.		do.	Solon	Solon	Kennebec River
124	Do.		do.	Webster	Webster	Stillwater River
125	Do.		do.	West Enfield	West Enfield	Penobscot River
126	Pejepscot Paper Co.		do.	Bowdoin	Topsham	Androscoggin River
127	Do.		do.	Lisbon Falls	Lisbon	do.
128	Do.		do.	Pejepscot Mills	Topsham	do.
129	Do.		do.	Topsham Mills	do.	do.
130	Pepperell Manufacturing Co.		do.	Biddeford	Biddeford	Saco River
131	Publishers Paper Co.			Bar Mills		
132	St. Croix Paper Co.			Grand Falls		
133	Do.			Woodland		
134	Union Water Power Co.			Lewiston	Lewiston	
135	Walker, James, Co.			Orono		Penobscot River
136	Warren, S. D., & Co.: (Lessor, S. D. Warren Mill Trust)		Manufacturing	Capscook Mill	Gardiner	Cobbosseecontee
137	Do.		do.	Cumberland Mills	Westbrook	Presumpscot River
138	Presumpscot Electric Co.		do.	Dundee	Gorham	do.
139	Do.		do.	El Weir	Standish	do.
140	Do.		do.	Saccarappa	Westbrook	do.
141	Do.		do.	Smelt Hill	Falmouth	do.
142	Worumbo Manufacturing Co.			Lisbon	Lisbon	Androscoggin River

## MARYLAND.

## A.—PUBLIC UTILITY PLANTS.

1	Antietam Electric Light & Power Co.	GD	Boonsboro, Sharpsburg, and vicinity.	Boonsboro		Antietam Creek
2	Bel Air Electric Co.	GD	Bel Air, Benson, Fallston	Bel Air, No. 1	Near Bel Air	Winter's Run
3	Do.		Fork and Kingsville	Bel Air, No. 2	Near Wheel	do.
4	Bucky, E. A. C.	GD	Union Bridge	Union Bridge		
5	Cambridge Gas, Electric Light & Power Co.	GD	Cambridge	Cambridge	Cambridge	
6	Capitol Traction Co.	GD		Chevy Chase	Chevy Chase	
7	Chestertown Electric Light & Power Co.	GD	Chestertown	Chestertown	Chestertown	
8	Consolidated Gas, Electric Light & Power Co. of Baltimore.	HGTD		Baltimore	Baltimore	
9	Do.		Ellicott City and vicinity	Ellicott City	Ellicott City	
10	Do.			Ilchester	Ilchester	Patapsco River
11	Baltimore County Electric Co.	D	Baltimore	Baltimore		
12	Baltimore Electric Co.	GD	Anne Arundel and Howard Counties.	do.	Baltimore	
13	Mt. Washington Electric Light & Power Co.	GD		Mount Washington	Mount Washington	
14	Roland Park Electric & Water Co.					
15	Consolidated Coal Co.			Midland		
16	Consolidated Public Utilities Co.	GD	Westminster	Westminster	Westminster	
17	Crisfield Ice Manufacturing Co.	GD	Crisfield	Crisfield	Crisfield	
18	Delmarvia Utilities Co.	GD				
19	Easton Fuel & Light Co.	GD	Easton and Salisbury	Easton	Easton	
20	Edison Electric Illuminating Co. of Cumberland	GD	Cumberland	Cumberland	Cumberland	
21	Electric & Ice Manufacturing Co.	GD	Pocomoke City	Pocomoke City	Pocomoke City	
22	Ellston Electric Light & Power Co.	D	Ellston	Ellston	Ellston	
23	Emmitsburg Electric Co.	D	Emmitsburg	Emmitsburg	Emmitsburg	
24	Gilpen Falls Electric Co.	GD	Ellston, Bayview, and vicinity.	Ellston		



MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

MAINE—Continued.

B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
105	.....	831	650	500	.....	500	.....	.....	Maine & New Brunswick Electric Power Co. York Co. Power Co.....	Mc. C.
106	.....	.....	125	125	.....	150	.....	.....		.....
107	.....	65	250	180	.....	100	.....	.....	.....	Mc.
108	.....	500	.....	.....	.....	400	.....	.....		Mc.
109	.....	600	.....	.....	.....	300	.....	.....	.....	Mc.
Total, B. ....		1,996	1,025	805	.....	1,450	.....	.....	.....	.....

C.—ALL OTHER PLANTS.

110	Private .....	1,998	1,000	1,100	.....	.....	.....	.....	.....	O. C.
111	Do.....	1,524	.....	.....	.....	.....	.....	.....	.....	O. C.
112	Do.....	2,100	.....	.....	.....	1,500	.....	.....	York Co. Power Co.....	C.
113	Do.....	4,000	.....	.....	.....	400	.....	.....	.....	C.
114	Do.....	1,500	.....	.....	.....	610	.....	.....	Rumford Falls Power Co.....	C.
115	.....	24,500	.....	.....	.....	.....	.....	.....	.....	M. O.
116	} .....	15,700	{ .....	{ .....	{ .....	{ .....	{ .....	{ .....	{ .....	M. O.
117										M. O.
118										M. O.
119	Private .....	3,100	.....	.....	.....	2,500	.....	.....	.....	M. O. C.
120	.....	9,000	5,200	3,600	.....	.....	.....	.....	.....	C.
121	Private .....	5,600	275	250	.....	96	.....	.....	.....	O. C.
122	Do.....	9,500	5,100	3,200	.....	937½	.....	.....	.....	C.
123	Do.....	3,500	250	70	.....	15	.....	.....	.....	C.
124	Do.....	3,250	900	700	.....	607½	.....	.....	.....	C.
125	Do.....	2,600	200	75	.....	15	.....	.....	.....	C.
126	.....	900	450	.....	.....	.....	.....	.....	.....	M. C.
127	.....	1,100	1,500	900	.....	.....	.....	.....	.....	M. C.
128	.....	7,200	1,350	900	.....	.....	.....	.....	.....	M. C.
129	.....	5,500	150	.....	.....	.....	.....	.....	.....	M. C.
130	Private .....	7,000	5,850	10,800	.....	2,388	.....	.....	.....	O. C.
131	.....	3,000	.....	.....	.....	.....	.....	.....	.....	O.
132	.....	12,000	.....	.....	.....	.....	.....	.....	.....	M. O.
133	.....	13,000	.....	.....	.....	.....	.....	.....	.....	O.
134	.....	<sup>a</sup> 18,400	.....	.....	.....	.....	.....	.....	.....	C.
135	.....	3,000	.....	.....	.....	.....	.....	.....	.....	O.
136	Private .....	300	1,500	.....	.....	.....	.....	.....	Presumpscot Electric Co.....	C.
137	Do.....	2,500	6,500	5,000	.....	2,400	.....	.....		C.
138	Do.....	2,800	.....	.....	.....	2,100	.....	.....		C.
139	Do.....	3,000	.....	.....	.....	1,800	.....	.....		C.
140	Do.....	2,400	.....	.....	.....	1,350	.....	.....		C.
141	Do.....	1,200	.....	.....	.....	1,100	.....	.....		C.
142	Do.....	1,200	1,000	.....	.....	250	.....	.....		C.
Total, C. ....		172,372	31,225	26,595	.....	18,069	.....	.....	.....	.....
Grand total .....		277,589	57,291	61,271	155	101,452	.....	.....	.....	.....

MARYLAND.

A.—PUBLIC UTILITY PLANTS.

1	.....	245	125	125	.....	150	.....	.....	.....	Mc. P.
2	Private .....	144	.....	.....	.....	80	\$0.10 - \$0.05	\$0.08-\$0.05	.....	Mc. C. P.
3	Do.....	212	.....	.....	.....	130	.10 - .05	.08- .05	.....	Mc. C.
4	.....	40	.....	.....	.....	30	.....	.....	.....	Mc.
5	.....	.....	400	400	85	200	.10	.....	.....	M.
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mc.
7	.....	.....	180	62	.....	50	.....	.....	.....	Mc.
8	.....	.....	19,026	47,420	.....	35,500	.....	.....	.....	Mc. P.
9	.....	.....	200	250	250	435	.....	.....	.....	M. Mc.
10	Private .....	1,000	.....	.....	.....	600	.085- .05	.....	Penna. Water & Power Co.....	M. Mc.
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	M.
12	.....	.....	6,000	8,040	.....	6,000	.....	.....	.....	M. P.
13	.....	.....	650	750	.....	550	.....	.....	.....	M. Mc.
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	M.
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mc.
16	.....	.....	400	400	.....	150	.....	.....	.....	Mc.
17	.....	.....	450	250	.....	305	.....	.....	.....	Mc. P.
18	.....	.....	325	285	.....	242	.....	.....	.....	P.
19	.....	.....	800	600	.....	650	.....	.....	.....	M. Mc.
20	.....	.....	1,943	3,273	.....	2,500	.....	.....	.....	M. Mc. P.
21	.....	.....	300	200	.....	140	.....	.....	.....	Mc.
22	.....	.....	.....	.....	.....	.....	.....	.....	Gilpen Falls Electric Co.....	Mc.
23	.....	.....	.....	.....	.....	.....	.....	.....	Hagerstown & Frederick Ry. Co.	Mc. P.
24	.....	325	.....	.....	.....	200	.....	.....	.....	Mc.

<sup>a</sup> Includes wheels of lessees.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MARYLAND—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
25	Hagerstown & Frederick Railway Co.....	GTD....	Frostburg, Hagerstown, Williamsport, and vicinity.	Frostburg.....	Frostburg.....	
26	Do.....			Security.....	Security.....	
27	Havre de Grace Electric Co.....	GD.....	Havre de Grace.....	Havre de Grace.....	Havre de Grace.....	
28	Home Electric Light Co.....	GD.....	Lonaconing.....	Lonaconing.....	Lonaconing.....	
29	Home Manufacturing, Light & Power Co.....	D.....	Ellston and Chesapeake City	Elkton.....		
30	Idlewild Electric Light, Heat & Power Co.....	GD.....	Federalsburg and vicinity...	Federalsburg.....		
31	Midland Electric Light Co.....	D.....	Midland.....	Midland.....	Midland.....	
32	Mountain Lake Park Association.....	GD.....	Mountain Lake Park.....	Mountain Lake Park.....	Mountain Lake Park.....	
33	New Windsor Electric Light & Water Co.....	GD.....	New Windsor.....	New Windsor.....	New Windsor.....	
34	Oakland Electric Co.....	GD.....	Oakland.....	Oakland.....	Oakland.....	
35	Peninsular Light & Power Co.....	GD.....	Denton, Greensboro, and vicinity.	Denton.....		Chaplain River.....
36	Perryville Electric Co.....	GD.....	Perryville and Principio....	Perryville.....	Perryville.....	
37	Port Deposit Electric Co.....	D.....	Port Deposit.....	Port Deposit.....	Port Deposit.....	
38	Salisbury Light, Heat & Power Co.....	GD.....	Salisbury.....	Salisbury.....		
39	Snow Hill Electric Light & Power Co.....	GD.....	Snow Hill.....	Snow Hill.....	Snow Hill.....	
40	Sussex Light & Power Co.....	GD.....				
41	United Railways & Electric Co. of Baltimore.....	GTD....		Bay Shore.....	Bay Shore.....	
42	Do.....	GTD....		Light Street.....	Light Street.....	
43	Do.....	GTD....		Owings Mills.....	Owings Mills.....	
44	Do.....	GTD....		Pratt Street.....	Pratt Street.....	
	Washington, Baltimore & Annapolis Electric R. R. Co.	H.....				
45	Annapolis Public Utilities Co.....	D.....	Annapolis and Eastport....	Annapolis.....		

## B.—MUNICIPAL PLANTS.

46		D.....	Aberdeen.....	Aberdeen.....	Aberdeen.....	
47		GD.....	Centerville.....	Centerville.....	Centerville.....	
48		GD.....	Cumberland.....	Cumberland.....	Cumberland.....	
49		GD.....	Frederick.....	Frederick.....	Frederick.....	
50		GD.....	Hagerstown.....	Hagerstown.....	Hagerstown.....	
51		GD.....	Laurel.....	Laurel.....	Laurel.....	
52		D.....	Williamsport.....	Williamsport.....	Williamsport.....	

## C.—ALL OTHER PLANTS.

53	Baltimore & Ohio R. R. Co.....	G.....	Electric railroad.....	Baltimore.....	Baltimore.....	
	Doherty Operating Co.....	M.....				
54	Cumberland Westernport Electric Ry. Co.....	G.....		Clarysville.....	Clarysville.....	
55	Do.....	G.....		Reynolds.....	Reynolds.....	
56	Savage Manufacturing Co.....		Manufacturing.....	Savage.....	Savage.....	Little Paterpent.....

## MASSACHUSETTS.

## A.—PUBLIC UTILITY PLANTS.

1	Agawam Electric Co.....	D.....	Agawam and West Springfield.	Agawam.....		
2	American Woolen Co.....	D.....		Maynard.....		
3	Amherst Gas Co.....	TD.....	Amherst, Sunderland, Whately, and Hatfield.	Amherst.....		
4	Attleboro Steam & Electric Co.....	GD.....	Attleboro.....	Attleboro.....	Attleboro.....	
5	Beverly Gas & Electric Co.....	GD.....	Beverly, Wenham, and Hamilton.	Beverly.....	Beverly.....	
6	Block Plant Electric Light Co.....	D.....		Boston.....		
7	Bossidy, J. F., Electric Light Plant.....	D.....	West Stockbridge.....	West Stockbridge.....		
8	Boston Electric Associates.....	H.....				
	Buzzards Bay Electric Co.....	GD.....	Falmouth, Barnstable, Hyannis, Sandwich, Oak Bluffs, Tisbury, and Edgarton.	Falmouth.....	Falmouth.....	
9	Vineyard Lighting Co.....	GD.....	do.....	Oak Bluffs.....	Oak Bluffs.....	
	Boston & Maine R. R. Co.....	H.....				
10	Conway Electric Street Ry. Co.....	GD.....		Conway.....	Conway.....	
11	Cambridge Electric Light Co.....	GD.....	Cambridge and Belmont....	Cambridge.....	Cambridge.....	
12	Charlemont Electric Light & Power Co.....	GD.....	Charlemont.....	Charlemont.....		
13	Charlestown Gas & Electric Co.....	D.....	Charlestown.....	Charlestown.....		
14	Chester Electric Light Co.....	GD.....	Chester.....	Chester.....	Chester.....	West Branch Westfield River.
15	Citizens Gas, Electric Light & Power Co.....	GD.....	Nantucket.....	Nantucket.....	Nantucket.....	
	Commonwealth Gas & Electric Cos.....	H.....				
16	Athol Gas & Electric Co.....	GD.....	Worcester and Franklin Counties.	Athol.....	Wendell.....	Millers River.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MARYLAND—Continued.

## A. PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
25	.....	.....	500	575	.....	400	.....	.....	.....	M. Mc. P.
26	.....	.....	2,250	5,330	.....	4,000	.....	.....	.....	M. Mc. P.
27	.....	.....	400	430	.....	285	.....	.....	.....	Mc. P.
28	.....	.....	600	400	.....	350	.....	.....	.....	Mc. P.
29	.....	.....	.....	.....	.....	.....	.....	.....	Wilmington & Philadelphia Traction Co.	Mc. P.
30	.....	213	230	195	.....	155	.....	.....	.....	Mc.
31	.....	.....	.....	.....	.....	.....	.....	.....	Consolidated Coal Co.	Mc.
32	.....	.....	200	150	.....	120	.....	.....	.....	Mc.
33	.....	.....	.....	45	.....	50	.....	.....	.....	Mc. P.
34	.....	.....	250	150	.....	120	.....	.....	.....	Mc.
35	Private.....	160	150	150	125	227½	\$0.12-\$0.09	\$0.08-\$0.025	.....	Mc. C.
36	.....	.....	125	80	.....	50	.....	.....	.....	Mc. P.
37	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mc. P.
38	.....	200	475	500	.....	500	.....	.....	.....	Mc.
39	.....	.....	125	215	.....	120	.....	.....	.....	Mc. P.
40	.....	.....	450	775	.....	555	.....	.....	.....	P.
41	.....	.....	(2,000)	2,250	.....	1,675	.....	.....	.....	M. Mc.
42	.....	.....	(2,400)	3,000	.....	2,000	.....	.....	.....	M. Mc.
43	.....	.....	(1,200)	1,625	.....	1,080	.....	.....	.....	M. Mc.
44	.....	.....	(40,000)	55,000	.....	37,300	.....	.....	.....	M. Mc.
45	.....	.....	.....	.....	.....	.....	.....	.....	Potomac Electric Power Co.	Mc.
Total, A.....		2,539	82,154	132,980	505	96,899	.....	.....	.....	.....

## B.—MUNICIPAL PLANTS.

46	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mc.
47	.....	.....	245	175	.....	125	.....	.....	.....	Mc.
48	.....	.....	950	500	.....	250	.....	.....	.....	Mc.
49	.....	.....	200	200	.....	(120)	.....	.....	.....	Mc.
50	.....	.....	2,000	1,508	.....	2,000	.....	.....	.....	Mc.
51	.....	.....	300	150	.....	100	.....	.....	.....	Mc.
52	.....	.....	.....	.....	.....	.....	.....	.....	Hagerstown & Frederick Ry. Co.	Mc.
Total, B.....		.....	3,695	2,533	.....	2,595	.....	.....	.....	.....

## C.—ALL OTHER PLANTS.

53			3,250	3,350		2,860			Consolidated Gas, Electric Light & Power Co.	Mc.
54	} Private.....		1,475	1,750		1,250				{M. Mc. Mc. C.
55		750	900	800						
56										
	Total, C.....	750	5,625	5,900		4,110				
	Grand total.....	3,289	91,474	141,413	505	103,604				

## MASSACHUSETTS.

## A.—PUBLIC UTILITY PLANTS.

1	.....	.....	.....	.....	.....	.....	.....	.....	Turners Falls Power & Electric Co.	Mc. C.
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mc.
3	.....	.....	.....	.....	.....	.....	.....	.....	Turners Falls Power & Electric Co.	M. Mc. C.
4	.....	.....	1,500	2,850	.....	2,250	\$0.13-\$0.10	\$0.07-\$0.0175	.....	M. Mc.
5	.....	.....	700	1,920	.....	2,000	.11	.10-.03	.....	M. Mc.
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mc.
7	.....	.....	.....	.....	.....	.....	.....	.....	Stockbridge Lighting Co.	Mc.
8	.....	.....	400	680	.....	450	.....	.....	.....	M. Mc.
9	.....	.....	650	920	.....	615	.....	.....	.....	M. Mc.
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. Mc.
11	.....	.....	3,200	8,670	.....	6,500	.11-.01	.05-.0175	.....	M. Mc.
12	.....	100	100	40	.....	425	.....	.....	.....	Mc.
13	.....	.....	.....	.....	.....	.....	.....	.....	Edison Electric Illuminating Co. of Boston.	.....
14	Private.....	52	.....	.....	15	28	.20	.045	.....	Mc. C.
15	.....	.....	175	85	114	110	.20	.....	.....	M. Mc.
16	Private.....	2,200	625	925	.....	2,040	.14-.09	.10-.02	.....	M. Mc. C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
MASSACHUSETTS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
17	Deerfield River Electric Light Co.....	D.....	Conway.....	Conway.....	.....	.....
18	Easthampton Gas Co.....	GD.....	Easthampton and Southamp- ton.....	Mount Tom, No. 1.....	Mount Tom.....	.....
19	Do.....	.....	.....	Mount Tom, No. 2.....	.....do.....	.....
20	Edison Electric Illuminating Co. of Boston.....	GD.....	Eastern Massachusetts.....	"L" Street.....	Boston.....	.....
21	Do.....	.....	.....	Waltham.....	Waltham.....	.....
22	Do.....	.....	.....	Whitman.....	Whitman.....	.....
23	Fall River Electric Light Co.....	GD.....	Fall River, Somerset, Free- town, and Swansea.....	Fall River.....	Fall River.....	.....
24	Franklin Electric Light Co.....	D.....	Turners Falls, Montague City, and Millers Falls.....	Turners Falls.....	.....	.....
25	Gardner Electric Light Co.....	GD.....	Gardner, Templeton, West- minster, and vicinity.....	Gardner.....	Gardner.....	.....
26	Gloucester Electric Co.....	GD.....	Gloucester, Rockport, and Essex.....	Gloucester.....	Gloucester.....	.....
27	Great Barrington Electric Light Co.....	GD.....	Berkshire County.....	Great Barrington.....	Great Barrington.....	Housatonic River.....
28	Greenfield Electric Light & Power Co.....	GD.....	Franklin County.....	Gardner Falls.....	Buckland.....	Deerfield River.....
29	Do.....	GD.....	.....do.....	Greenfield.....	Greenfield.....	Green River.....
30	Holyoke Water Power Co.....	GTD.....	Holyoke and South Hadley.....	Holyoke.....	Holyoke.....	.....
31	Do.....	GTD.....	.....do.....	.....do.....	.....do.....	Connecticut River.....
32	Huntington Electric Light Co.....	GD.....	Huntington.....	Huntington.....	Huntington.....	Westfield River.....
33	Lawrence Gas Co.....	GD.....	Essex County.....	Lawrence.....	.....	.....
34	Lee Electric Co.....	GD.....	Lee and Lenox.....	Lee.....	Lee.....	Green Water and Goose Pond.....
35	Lenox Electric Co.....	D.....	Lenox.....	Lenox.....	.....	.....
36	Ludlow Electric Light Co.....	D.....	Ludlow.....	Ludlow.....	.....	.....
37	Ludlow Manufacturing Associates.....	GD.....	.....do.....	.....do.....	Ludlow.....	.....
38	Do.....	GD.....	.....do.....	.....do.....	.....do.....	Chicopee River.....
39	Do.....	GD.....	.....do.....	Red Bridge.....	Wilbraham.....	do.....
40	Lynn Gas & Electric Co.....	GD.....	Essex County.....	Lynn.....	Lynn.....	.....
41	Manchester Electric Co.....	D.....	Manchester.....	Manchester.....	.....	.....
42	Marion Gas Co.....	GD.....	Marion and Onset.....	Marion.....	Marion.....	.....
43	Marlboro Electric Co.....	GD.....	Marlboro, Berlin, Bolton.....	Marlboro.....	Marlboro.....	.....
44	Lessor, Westboro Gas & Electric Co.....	L.....	Westboro.....	Westboro.....	.....	.....
	Massachusetts Lighting Cos.....	H.....	.....	.....	.....	.....
45	Adams Gas Light Co.....	D.....	Adams and Cheshire.....	North Adams.....	.....	.....
46	Ayer Electric Light Co.....	GD.....	Ayer and Groton.....	Ayer.....	Ayer.....	.....
47	Clinton Gas Light Co.....	GD.....	Clinton and Lancaster.....	Clinton.....	Clinton.....	.....
48	Harvard Gas & Electric Co.....	D.....	Harvard.....	.....	.....	.....
49	Leominster Electric Light & Power Co.....	GD.....	Lunenburg and Leominster.....	Leominster.....	Leominster.....	.....
50	Milford Electric Light & Power Co.....	GD.....	Milford and Hopedale.....	Milford.....	Milford.....	.....
51	Mill River Electric Light Co.....	D.....	Williamsburg.....	Williamsburg.....	.....	.....
52	North Adams Gas Light Co.....	GD.....	North Adams and Clarks- burg.....	North Adams.....	North Adams.....	.....
53	Northampton Electric Lighting Co.....	GD.....	Northampton.....	Northampton.....	Northampton.....	.....
54	Spencer Gas Co.....	D.....	Spencer.....	Spencer.....	.....	.....
55	Williamstown Gas Co.....	D.....	Williamstown.....	Williamstown.....	.....	.....
56	Middletown Electric Light Co.....	D.....	Middletown.....	Middletown.....	.....	.....
57	Milford & Uxbridge Street Ry. Co.....	GD.....	.....	Milford.....	Milford.....	.....
58	Monument Mills Hydro-Electric Plant.....	GTD.....	Berkshire County.....	Housatonic, No. 1.....	.....	.....
59	Do.....	GTD.....	.....do.....	Housatonic, No. 2.....	.....	.....
60	Nashua River Paper Corporation.....	GT.....	East Pepperell.....	East Pepperell.....	East Pepperell.....	.....
61	New Bedford Gas & Edison Light Co.....	GD.....	New Bedford, Fairhaven, Acushnet.....	New Bedford.....	New Bedford.....	.....
62	Newburyport Gas & Electric Co.....	GD.....	Newburyport.....	Newburyport.....	Newburyport.....	.....
	New England Investment & Security Co.....	H.....	.....	.....	.....	.....
63	Springfield Street Ry. Co.....	GTD.....	.....	Springfield.....	.....	.....
64	Do.....	GTD.....	.....	Westfield.....	.....	.....
65	Worcester Consolidated Street Ry. Co.....	GTD.....	.....	Charlton City.....	Charlton City.....	.....
66	Do.....	GTD.....	.....	Leominster.....	Leominster.....	.....
67	Do.....	GTD.....	.....	Millbury.....	Millbury.....	.....
68	Do.....	GTD.....	.....	West Berlin.....	West Berlin.....	.....
69	Do.....	GTD.....	.....	Worcester.....	Worcester.....	.....
	New England Power Co. of Maine.....	H.....	.....	.....	.....	.....
70	Connecticut River Transportation Co.....	GTD.....	Southeastern Vermont, southwestern New Hamp- shire, northern Rhode Is- land, and various towns in Massachusetts.....	Deerfield, No. 2.....	Conway.....	Deerfield River.....
71	Do.....	GTD.....	.....do.....	Deerfield, No. 3.....	Buckland.....	.....do.....
72	Do.....	GTD.....	.....do.....	Deerfield, No. 4.....	.....do.....	.....do.....
73	Do.....	GTD.....	.....do.....	Deerfield, No. 5.....	Florida.....	.....do.....
74	North Dana Electric Light Co.....	GD.....	Dana and North Dana.....	North Dana.....	.....	.....
75	Norton Electric Light & Power Co.....	GD.....	Chartley.....	Chartley.....	.....	.....
	Parker, C. D., & Co. (Inc.).....	M.....	.....	.....	.....	.....
76	Amesbury Electric Light Co.....	GD.....	Amesbury and Salisbury.....	Amesbury.....	Amesbury.....	.....
77	Blackstone Electric Light Co.....	D.....	Blackstone and Millville.....	Blackstone.....	.....	.....
78	Central Massachusetts Electric Co.....	GD.....	Hampden, Hampshire, Worcester Counties.....	Palmer.....	Palmer.....	Quaboag River.....
79	Provincetown Light & Power Association.....	GD.....	Provincetown.....	Provincetown.....	Provincetown.....	.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MASSACHUSETTS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
17										Mc.
18										M. Mc.
19			1,900	4,868		3,500	\$0.15		Turners Falls Power & Electric Co.	Mc.
20										Mc.
21			38,088	140,600		101,400				Mc.
22			250	250		180				Mc.
23			2,800	17,330		13,000				M. Mc.
24									Turners Falls Power & Electric Co.	Mc.
25					675	450			Connecticut River Transportation Co.	M. Mc.
26			1,000	1,670		1,500				Mc.
27	Private.....	339	150	150		400	\$0.18 - .144	\$0.10 - \$0.02	Monument Mills Hydro-Electric Plant.	Mc. M. C.
28	Do.....	4,000				3,140	.11 - .07	.05 - .018	Turners Falls Power & Electric Co.	Mc. M. O. C.
29	Do.....	100				75	.11 - .07	.05 - .018	Turners Falls Power Co.	O. C.
30			1,000	2,330		1,750		.025- .01		C.
31	Private.....	2,085				1,200		.025- .01		Mc. O. C.
32	Do.....	40	125	100		180	.12			Mc. C.
33		1,700		2,000		(2,200)	.13 - .06	.10 - .02		Mc. M.
34	Private.....	125	350	325		410	.20 - .09	.10 - .019	Stockbridge Lighting Co.	Mc. M. C.
35									do.....	Mc.
36										C.
37			3,530	8,200		6,570	.04	.04		Mc. C.
38		2,464				930	.04	.04		C.
39		7,436				5,500	.04	.04		C.
40			3,200	6,800		5,000				M. Mc.
41							.25 - .15		Beverly Gas & Electric Co.	M. Mc.
42			(100)	130		100				M. Mc.
43			835	1,761		1,100	.15 - .12		Connecticut River Transportation Co.	M. Mc.
44									Marlboro Electric Co.	Mc.
45									North Adams Gas Light Co.	M. Mc.
46			150	300		265			Clinton Gas Light Co.	M. Mc.
47			400	750		515			Leominster Electric Light & Power Co.	M. Mc.
48									Clinton Gas Light Co.	M. Mc.
49			900	1,420		1,075				M. Mc.
50			(300)	(400)		365				M. Mc.
51									Northampton Electric Lighting Co.	M. Mc.
52			1,560	3,870		2,000				M. Mc.
53			600	1,745		1,225				M. Mc.
54									Central Massachusetts Electric Co.	M. Mc.
55									North Adams Gas Light Co.	M. Mc.
56									City of Danvers.....	Mc.
57			1,200	2,030		1,400				Mc.
58										
59		2,240	500	670		2,065				Mc.
60			1,500	250		70				Mc.
61			3,400	13,330		11,500	.12 - .035	.05 - .016		M. Mc.
62			600	1,170						Mc.
63										
64		800	5,370	10,990		8,125				Mc. M.
65			1,000	1,200		800				M. Mc.
66		900	750	1,000		1,350				Mc. M.
67			3,280	14,670		11,000				Mc.
68			450	300		225				Mc.
69		900	10,280	25,670		18,075				Mc.
70	Private.....	9,600				6,000	.025- .007		Worcester Electric Light Co.	M. Mc.
71	Do.....	9,600				6,000	.025- .007		Massachusetts Electric Light Co.; Blackstone Valley Gas & Electric Co.	C.
72	Do.....	9,200				6,000	.025- .007		Narragansett Electric Light Co.	C.
73	Do.....	21,000				17,000	.025- .007		Berkshire Street Ry.	C.
74		75	125	85		120			do.....	Mc.
75		50	250	150		100				Mc.
76			500	1,820		1,255	.20 - .11	.10 - .03		M. Mc.
77							.15 - .125		Blackstone Valley Gas & Electric Co.	M. Mc.
78		1,200	814	2,630		2,900	.16	.08 - .025	East Hadley Falls Electric Light Co.	M. Mc. C.
79					240	170				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
MASSACHUSETTS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
80	Parker, C. D., & Co. (Inc.)—Continued. Union Light & Power Co.....	GD.....	Franklin, Wrentham, Plainville, and Foxboro.	Franklin.....	Franklin.....	.....
81	Ware Electric Co.....	GD.....	Ware and Hardwick.....	Ware.....	Ware.....	.....
82	Weymouth Light & Power Co.....	GD.....	Norfolk County.....	East Weymouth.....	.....	.....
83	Worcester Suburban Electric Co.....	GD.....	Uxbridge, Auburn, and vicinity.	Uxbridge.....	Uxbridge.....	.....
84	Pittsfield Electric Co.....	GD.....	Pittsfield and Dalton.....	Pittsfield.....	Pittsfield.....	.....
85	Plymouth Electric Light Co.....	GD.....	Plymouth.....	Plymouth.....	Plymouth.....	.....
86	Quincy Electric Light & Power Co.....	GD.....	Quincy.....	Quincy.....	Quincy.....	.....
87	Randolph & Holbrook Light & Power Association.	GD.....	Randolph and Holbrook.....	Randolph.....	Randolph.....	.....
88	Seekonk Electric Co.....	D.....	Seekonk.....	Seekonk.....	.....	.....
89	Shelburne Falls & Colerain Street Ry. Co.....	GD.....	Shelburne Falls and Colerain	Shelburne Falls.....	Frankton.....	North River.....
90	Shirley Electric Light Co.....	D.....	Shirley.....	Shirley.....	.....	.....
91	Stockbridge Lighting Co.....	D.....	Stockbridge.....	Stockbridge.....	.....	.....
92	Stone & Webster Mortgage Association.....	M.....	.....	.....	.....	.....
93	Brockton & Plymouth Street Ry. Co.....	GD.....	.....	Plymouth.....	Plymouth.....	.....
94	Edison Electric Illuminating Co. of Brockton..	GD.....	Brockton and vicinity.....	Brockton.....	Brockton.....	.....
95	Do.....	.....	East Bridgewater.....	East Bridgewater.....	East Bridgewater.....	.....
96	Do.....	.....	Stoughton.....	Stoughton.....	Stoughton.....	.....
97	Do.....	.....	Whitman.....	Whitman.....	Whitman.....	.....
97	Electric Light & Power Co. of Abingdon and Rockland.	D.....	Abingdon, Rockland, Hanover.	North Abingdon.....	North Abingdon.....	.....
98	Lowell Electric Light Corporation.....	GD.....	Lowell and vicinity.....	Lowell.....	Lowell.....	.....
99	Sunderland Electric Light and Power Co.....	D.....	Sunderland.....	Sunderland.....	.....	.....
100	Tenney, C. H., & Co.....	M.....	.....	.....	.....	.....
101	Fitchburg Gas & Electric Light Co.....	GD.....	Ashby.....	Ashby.....	.....	.....
101	Do.....	.....	Fitchburg.....	Fitchburg.....	.....	.....
102	Do.....	.....	Townsend.....	Townsend.....	.....	.....
103	Haverhill Electric Co.....	GD.....	Haverhill and Groveland.....	Haverhill.....	Haverhill.....	.....
104	Malden Electric Co.....	GD.....	Malden and vicinity.....	Malden.....	Malden.....	.....
105	Salem Electric Lighting Co.....	GD.....	Salem and Peabody.....	Salem.....	Salem.....	.....
106	Suburban Gas & Electric Co.....	GD.....	Revere and Wenthrop.....	Revere.....	Revere.....	.....
107	Turners Falls Power & Electric Co.....	GTD.....	Franklin and Hampden Counties.	Turners Falls, No. 1...	Montague.....	Connecticut River.....
108	Do.....	GTD.....	do.....	Turners Falls, No. 2...	do.....	do.....
109	Tyngsboro Electric Light Co.....	D.....	Tyngsboro and Dunstable.....	Tyngsboro.....	.....	.....
110	United Electric Light Co.....	GD.....	Springfield, West Springfield, and Longmeadow.	Springfield, No. 1.....	Springfield.....	.....
111	Do.....	GD.....	.....	Springfield, No. 2.....	.....	Chicopee River.....
112	Do.....	GD.....	.....	Springfield, No. 3.....	.....	do.....
113	Webster & Southbridge Gas & Electric Co.....	GD.....	Webster, Southbridge, and vicinity.	Webster.....	Webster.....	.....
114	Winchendon Electric Light & Power Co.....	GD.....	Winchendon.....	Winchendon.....	Winchendon.....	Millers River.....
115	Worcester Electric Light Co.....	GD.....	Worcester and Leicester.....	Leicester.....	Leicester.....	.....
116	Do.....	GD.....	.....	Worcester.....	Worcester.....	.....

## B.—MUNICIPAL PLANTS.

117	.....	D.....	Ashburnham.....	Ashburnham.....	.....	.....
118	.....	D.....	Cambridge.....	Belmont.....	.....	.....
119	.....	GD.....	Chicopee, Fairview, and vicinity.	Chicopee.....	Chicopee.....	.....
120	.....	GD.....	Concord.....	Concord.....	Concord.....	.....
121	.....	GD.....	Danvers and Middleton.....	Danvers.....	Danvers.....	.....
122	.....	GD.....	Braintree and East Braintree.	East Braintree.....	East Braintree.....	.....
123	.....	D.....	Groton.....	Groton.....	.....	.....
124	.....	D.....	Groveland.....	Groveland.....	.....	.....
125	.....	D.....	Hingham.....	Hingham.....	.....	.....
126	.....	GD.....	Holyoke.....	Holyoke.....	Holyoke.....	Connecticut River.....
127	.....	GD.....	Hudson.....	Hudson.....	Hudson.....	.....
128	.....	GD.....	Hull.....	Hull.....	Hull.....	.....
129	.....	TD.....	Ipswich and Rowley.....	Ipswich.....	.....	.....
130	.....	D.....	Lunenburg.....	Lunenburg.....	.....	.....
131	.....	GD.....	Mansfield.....	Mansfield.....	Mansfield.....	.....
132	.....	GD.....	Marblehead.....	Marblehead.....	Marblehead.....	.....
133	.....	GD.....	Merrimac.....	Merrimac.....	Merrimac.....	.....
134	.....	GD.....	Middleboro.....	Middleboro.....	Middleboro.....	.....
135	.....	GD.....	North Attleboro, Adamsdale, Oldtown.	North Attleboro.....	North Attleboro.....	.....
136	.....	D.....	Norwood.....	Norwood.....	.....	.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MASSACHUSETTS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
80			150	275		250			Blackstone Valley Gas & Electric Co.	M. Mc.
81			220	350		265	\$0.17 - \$0.08		Central Massachusetts Electric Co.	M. Mc.
82		400	450	1,000		750	.15 - .05		Ludlow Electric Light Co.	Mc. M.
83			2,287	2,270		2,600			Connecticut River Transportation Co.	M. Mc.
84			1,750	3,670	445	2,710				M. Mc.
85			1,000	1,000		510				M. Mc.
86			1,000	1,800		2,050				M. Mc.
87	Private		250	570		470	.13 - .05	\$0.13 - \$0.025	Weymouth Light & Power Co.	Mc.
88									Narragansett Electric Lighting Co.	Mc.
89	Private	250	200	150		250		.07		Mc. M. C.
90									Connecticut River Transportation Co.	Mc.
91							.20		Monument Mills Hydro-Electric Plant.	M. Mc.
92			600	1,200		1,125				Mc.
93			1,350	2,035		1,300				M. Mc.
94			3,800	10,670		4,000				M. Mc.
95			300	450		205				M. Mc.
96			250	250		180				M. Mc.
97			500	725		600			Edison Electric Illuminating Co. of Brockton.	M. Mc.
98			2,500	4,500		4,900				M. Mc.
99									Amherst Gas Co.	Mc.
100		60	50	35	18	30				Mc.
101		500	2,250	7,265		5,425	.12	.05 - .01	Connecticut River Transportation Co.	Mc. M.
102		121	80	60		35				Mc.
103			2,575	7,250		4,950	.11	.043 - .019		M. Mc.
104			1,910	4,475		3,400	.11			M. Mc.
105			1,750	8,035		4,500				M. Mc.
106			1,120	2,550		1,400	.11			M. Mc.
107	Private	7,800				5,500			Connecticut River Transportation Co., Greenfield Electric Co., Light & Power Co.	Mc. O. C.
108	Do	29,100				22,500				C. Mc.
109			9,600	15,000		11,200	.09 - .03	.05 - .01	Turners Falls Power & Electric Co.	Mc.
110										Mc.
111		3,600				2,200	.09 - .03	.05 - .01		Mc. M. O. C.
112		900				800	.09 - .03	.05 - .01		Mc. M. O. C.
113			675	1,470		1,080				M. Mc.
114	Private	350				250	.12 - .05	.10 - .021	Connecticut River Transportation Co.	Mc. C.
115			6,000	21,330		18,000				M. Mc.
116										Mc.
Total, A		119,287	137,224	385,439	1,507	365,858				

## B—MUNICIPAL PLANTS.

117									Gardner Electric Light Co.	Mc.
118									Cambridge Electric Light Co.	Mc.
119			250	670		500			Turners Falls Power & Electric Co.	Mc.
120			270	740		1,100				Mc.
121			550	1,285		1,005				Mc.
122			400	500		625				Mc.
123									Connecticut River Transportation Co.	Mc.
124									Haverhill Electric Co.	Mc.
125									Weymouth Light & Power Co.	Mc.
126	Private	1,120	5,000	14,666		6,700	\$0.06	\$0.05 - \$0.013		Mc. C.
127			600	920		600				Mc.
128			515	1,000		864			Weymouth Light & Power Co.	Mc.
129										Mc.
130										Mc.
131					680	500				Mc.
132			600	670		600				Mc.
133			317	272		272				Mc.
134		150	25		300	350				Mc.
135			750	1,000		700			Union Light & Power Co.	Mc.
136									Edison Electrical Illuminating Co. of Boston.	Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
MASSACHUSETTS—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
137		GD	Peabody and Lynnfield	Peabody	Peabody	
138		D	Princeton	Princeton		
139		GD	Reading and vicinity	Reading	Reading	
140		D	Rowley	Rowley		
141		D	Shrewsbury	Shrewsbury		
142		D	South Hadley Falls	South Hadley Falls		
143		D	Sterling	Sterling		
144		GD	Taunton and Raynham	Taunton	Taunton	
145		D	Templeton and Baldwinville	Templeton	Templeton	
146		D	Wakefield	Wakefield		
147		D	Wellesley	Wellesley		
148		D	West Boylston	West Boylston		
149		GD	Westfield	Westfield		

## C.—ALL OTHER PLANTS.

150	American Woolen Co.			Arden Mills	Fitchburg	Nashua River
151	Do.			Assabet Mills	Maynard	Assabet River
152	Do.			Bay State Mills	Lowell	Concord River
153	Do.			Beaver Brook Mills	do.	Beaver Brook
154	Do.			Beaver Brook (shoddy mills)	do.	
155	Do.			Bcoli Mills	Fitchburg	
156	Do.			Chase Mills	Webster	French River
157	Do.			Heela Mills	Uxbridge	Blackstone River
158	Do.			Prospect Mills	Lawrence	Merrimac River
159	Do.			Puritan Mills	Plymouth	
160	Do.			Ray Mills	Franklin	
161	Do.			Rochdale Mills	Rochdale	French River
162	Do.			Royalston Mills	South Royalston	Millers River
163	Do.			Saranac Mills	Blackstone	Blackstone River
164	Do.			Washington Mills	Lawrence	Merrimac River
165	Do.			Wood Worsted Mills	South Lawrence	
166	Ballou, C. M.		Manufacturing	Shirley	Shirley	Catacooameog River
167	Bliss Fabyan & Co.	H				
168	Otis Co.	G	do.	Ware	Ware	Ware River
169	Thorndike Co.	G	do.	Thorndike	Thorndike	do.
170	Do.	G	do.	Warren	West Warren	Quaboog River
171	Boston Elevated Ry. Co.	G	Electric railways	Central	Boston	
172	Do.		do.	Charleston	do.	
173	Do.		do.	Dorchester	do.	
174	Do.		do.	Harvard	do.	
175	Do.		do.	Lincoln	do.	
176	Do.		do.	South Boston	do.	
176	Boston & Worcester Electric Co.	H				
177	Boston & Worcester Street Ry. Co.	G	Electric railways	Framingham	Framingham	
178	Champion International Co.			Lawrence	Lawrence	Merrimac River
179	Essex Co.		do.	do.	do.	do.
180	Everett Mill		do.	do.	do.	do.
181	Farwell Bleachery		do.	do.	do.	do.
182	Fitchburg & Leominster Street Ry. Co.	G	Electric railways	South Fitchburg	South Fitchburg	
183	Hamblet, Geo. W.			Lawrence	Lawrence	
184	Hamilton Woolen Co.			Amesbury		Pawaw River
185	Do.			Southbridge		Quinebaug River
186	Hitehecock, E. D.		Sawmill	Dell		Branch Brook
187	Holyoke Street Ry. Co.	G		Amherst		
188	Do.			Holyoke		
188	International Paper Co.	G	Manufacturing	Montague	Turners Falls	Connecticut River
189	Kunhardt, Geo. W.			Lawrence	Lawrence	Merrimac River
190	Lawrence Duck Co.	G	Manufacturing	do.	do.	do.
191	Lewis, E. Frank		Woolen mills	do.	do.	do.
192	Massachusetts Consolidated Rys. Co.	H				
193	Concord, Maynard & Hudson Street Ry. Co.	G	Electric railways	Maynard	Maynard	
194	Connecticut Valley Street Ry. Co.	G	do.	Greenfield		Connecticut and Deerfield Rivers
195	Do.	G	do.	Hadley		do.
195	Massachusetts Electric Cos.	H				
196	Bay State Street Ry. Co.	G	Electric railway	Byfield	Byfield	
197	Do.	G	do.	Chelsea		
198	Do.	G	do.	Essex		
199	Do.	G	do.	Gloucester		
200	Do.	G	do.	Haverhill		
201	Do.	G	do.	Hyde Park		
202	Do.	G	do.	Lakeville		
203	Do.	G	do.	Lawrence		
204	Do.	G	do.	Lowell		
205	Do.	G	do.	Lynn		
206	Do.	G	do.	Quincy		
207	Do.	G	do.	Salem		
207	Do.	G	do.	Woburn		



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MASSACHUSETTS—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
137			660	1,200		925			Gardner Electric Light Co.	Mc.
138										Mc.
139			375	1,300		1,125			City of Ipswich.	Mc.
140									Marlboro Electric Co.	Mc.
141										Mc.
142									Connecticut River Transportation Co.	Mc.
143										Mc.
144			1,950	5,350		3,800			Gardner Electric Light Co.	Mc.
145										Mc.
146									Edison Electrical Illuminating Co. of Boston.	Mc.
147									do.	Mc.
148									Connecticut River Transportation Co.	Mc.
149			1,008	2,000		1,500				Mc.
	Total, B.	1,270	13,270	31,573	980	21,166				

## C.—ALL OTHER PLANTS.

150		142								M. O.
151		329								M. O.
152		220								M. O.
153		290								M. O.
154										M.
155										M.
156		186								M. O.
157		180								M. O.
158		3,203								M. O.
159										M.
160										M.
161		174								M. O.
162		414								M. O.
163		396								M. O.
164										M. O.
165										M.
166	Private	80								C.
167	Do	2,000	2,250	3,300		2,882				M. O. C.
168	Do	1,530	1,050	1,100		500				M. O. C.
169		1,664	1,600	1,450		130			Central Massachusetts Electrical Co.	M. O. C.
170			11,868	17,800		12,900				M. Mc.
171			5,900	10,400		7,000				Mc.
172			3,808	7,500		5,500				Mc.
173			5,400	9,600		6,300				Mc.
174			10,160	21,000		13,500				Mc.
175			9,600	60,000		45,000				Mc.
176			2,850	2,670		3,500				Mc.
177										O.
178		50								C.
179										O.
180	Private	350	625	275		500			Lawrence Gas & Electric Co.	C.
181			750	750						Mc.
182										O.
183		2,980								Mc. O.
184										C.
185	Private	78	37	22						C.
186			(4,000)	5,000		2,950				Mc.
187				550		50			Turners Falls Power & Electric Co.	M.
188	Private	4,000	1,560							O.
189					850	600				C.
190	Private	900	500	250						C.
191	Do	500	900	500						C.
192			600	700		500				M. Mc.
193	Private	400	600	700		850			Greenfield Electric Light & Power Co.	Mc. M. C.
194	Do	300				200			do.	Mc. M. C.
195			345	600		500				M. Mc.
196			3,350	5,300		3,950				Mc.
197			450	600		440				Mc.
198			1,270	2,300		1,500				Mc.
199			1,145	2,800		2,200				Mc.
200			1,500	2,900		1,875				Mc.
201			750	900		750				Mc.
202			2,455	5,100		3,365				Mc.
203			3,200	6,325		4,300				Mc.
204			3,300	5,450		3,950				Mc.
205			7,500	15,000		10,000				Mc.
206			2,600	4,000		2,350				Mc.
207			2,400	6,300		3,750				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
**MASSACHUSETTS**—Continued.  
 C.—ALL OTHER PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
208	Merrimac Paper Co.....			Lawrence.....	Lawrence.....	Merrimac River.....
209	Monroe Felt & Paper Co.....		Manufacturing.....	do.....	do.....	do.....
210	New Bedford & Onset Street Ry. Co.....	G.....	Electric railways.....	Wareham.....	Wareham.....	
	New England Investment & Securities Co.....	H.....				
211	Milford, Attleboro & Woonsocket Street Ry. Co.....	G.....	do.....	Unionville.....	Unionville.....	
	New York, New Haven & Hartford R. R. Co.....	H.....				
212	Berkshire Street Ry. Co.....	G.....	do.....	Pittsfield.....	Pittsfield.....	
213	Do.....	G.....	do.....	Zylonite.....	Zylonite.....	
214	Norfolk & Bristol Street Ry. Co.....	G.....	do.....	South Walpole.....	South Walpole.....	
215	Northampton Street Ry. Co.....	G.....	do.....	Northampton.....	Northampton.....	
216	Norton & Taunton Street Ry. Co.....	G.....	do.....	Barrowsville.....	Barrowsville.....	
217	Pemberton Co.....	G.....	Manufacturing.....	Lawrence.....	Lawrence.....	Merrimac River.....
218	Plymouth Mills.....			do.....	do.....	do.....
219	Proprietors of locks and canals.....			Lowell.....		do.....
	Southeastern Electric Cos.....	H.....				
220	Taunton & Pawtucket Street Ry. Co.....	G.....	Electric railways.....	Attleboro.....	Attleboro.....	
	Stone & Webster Mortgage Association.....	M.....				
221	Blue Hill Street Ry. Co.....	G.....	do.....	Canton.....	Canton.....	
222	Union Street Ry. Co.....	G.....	do.....	New Bedford.....	New Bedford.....	
223	United States Worsted Co.....			Lawrence.....	Lawrence.....	Merrimac River.....
224	Ware & Brookfield Street Ry. Co.....	G.....	Electric railways.....	Ware.....	Ware.....	
225	Warren, Brookfield & Speneer Street Ry. Co.....	G.....	do.....	Brookfield.....		
226	Wright Manufacturing Co.....			Lawrence.....	Lawrence.....	Merrimac River.....

### MICHIGAN.

#### A.—PUBLIC UTILITY PLANTS.

1	Alma Grain & Lumber Co.....	GD.....	Alma.....	Alma.....	Alma.....	Pine River.....
	American Light & Traction Co.....	H.....				
2	Muskegon Traction & Lighting Co.....	GD.....	Muskegon.....	Muskegon.....	Muskegon.....	
	Alpena Power Co. (Ltd.).....	H.....				
3	Alpena Electric Light Co.....	GD.....	Alpena.....	Alpena.....	Alpena.....	Thunder Bay River.....
4	Anderson Bros.....	GD.....	Hartford.....	Hartford.....	S. 9 and 10, T. 3 S., R. 16 W.	Paw Paw River.....
5	Antrim Light & Power Co.....	GD.....	Mancelona.....	Mancelona.....		
6	Athens Mill & Power Co.....	GD.....	Athens.....	Athens.....		
7	Bale, J. J., Light Plant.....	GD.....	Lakeview.....	Lakeview.....	Lakeview.....	
8	Bay View Camp Ground Association.....	D.....	Camp Ground.....	Bay View.....		
9	Beaverton Light & Power Co.....	GD.....	Beaverton.....	Beaverton.....		
10	Beckwith, P. D., Estate (Inc.).....	GD.....	Dowagiac.....	Round Oak.....	S. 10, 14, and 15, T. 6 S., R. 15 W.	Dowagiac Creek.....
11	Benton Harbor-St. Joe Railway & Light Co.....	D.....	Berrien County.....			
12	Benzie County Power Co.....	GD.....	Benzie and Manistee Counties.....	Betzie River Dam.....		Betzie River.....
13	Do.....	GD.....		Frankport.....	Frankport.....	
14	Big Rapids Electric Co.....	GD.....	Big Rapids.....	Big Rapids.....	Big Rapids.....	Muskegon River.....
15	Boardman Light Co.....	GD.....	South Boardman.....	South Boardman.....		
16	Boardman River Electric Light & Power Co.....	GD.....	Traverse City.....	Traverse City.....	Traverse City.....	Boardman River.....
	Boyne River Power Co.....	H.....				
17	Boyne City Electric Co.....	GD.....	Boyne City.....	Boyne City.....	Boyne City.....	Boyne River.....
18	Do.....	GD.....	do.....	do.....	do.....	
19	Brighton Electric Light & Power Co.....	GD.....	Brighton.....	Brighton.....	Brighton.....	
20	Caro Light & Power Co.....	GD.....	Caro.....	Caro.....		Caro River.....
21	Centerville Water & Electric Co.....	GD.....	Centerville.....	Centerville.....		
22	Central Lake Electric Light Co.....	GD.....	Central Lake.....	Central Lake.....	Central Lake.....	
23	Cheboygan Electric Light & Power Co.....	GD.....	Cheboygan and Emmet Counties.....	Cheboygan.....		Black River.....
24	Do.....	GD.....	do.....	Pellston.....		Maple River.....
25	Citizens Electric Co., The.....	GD.....	Battle Creek.....	Battle Creek.....		
26	Citizens Light & Power Co.....	GD.....	Adrian.....	Adrian.....		
27	Citizens Light Co.....	GD.....	Belding and Smyrna.....	Belding.....		Flat River.....
28	Clearwater Electric Light Plant.....	GD.....	Mosherville.....	Mosherville.....	Mosherville.....	Kalamazoo River.....
29	Cleveland Cliffs Iron Co.....	GD.....	Marquette County.....	Carp River.....		Carp River.....
30	Do.....			Mais.....		
31	Do.....			Princeton.....		



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MASSACHUSETTS—Continued.

## C.—ALL OTHER PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
208										O.
209	Private.....	500	200	200						C.
210			1,280	950		725				M. Mc.
211			750	750		575				M. Mc.
212	}		6,030	15,225		12,700				(M. Mc.
213										Mc.)
214			500	1,100		825				M. Mc.
215			800	1,200		810				M. Mc.
216			(500)	800		(480)				M. Mc.
217	Private.....	1,000	500	150		150				C.
218										O.
219		11,262								O.
220			1,000	840		400				M. Mc.
221			(600)	(800)		487				M. Mc.
222			3,160	4,550		3,000				M. Mc.
223										O.
224			500	500		405				M. Mc.
225			324	750		587				M. Mc.
226										O.
Totals, C.....		33,128	110,527	228,957	850	162,936				
Grand total.....		153,685	261,021	645,969	3,337	549,960				

## MICHIGAN.

## A.—PUBLIC UTILITY PLANTS.

1		250	200	350		235½	\$0.10			Mc. C.
2			1,000	1,570		1,150				Mc.
3	Private.....	1,355				1,080	\$0.11 - .06	\$0.025-\$0.005		Mc. O. C.
4	Do.....	175			50	100	.08 - .05	.05 - .035		Mc. C.
5		300				270				Mc.
6		105			50	90				Mc.
7			100	75		60	.07			Mc. C.
8									City of Petoskey.....	Mc.
9		300	150	100		215				Mc.
10	Private.....	110	1,200	1,200		1,000	.075	.075		Mc. C.
11							.11 - .04	.05 - .02	Indiana & Michigan Electric Co.	Mc. M. C.
12	Private.....	500				375	.10 - .04	12+.02 - .015		C.
13			300	225		500				Mc.
14	Private.....	320				315	.08 - .035	.03 - .01		Mc. C.
15		88				65				Mc.
16	Private.....	1,600				750	.08 - .04	.03		Mc. M. C.
17	Do.....	500				300	.10 - .04	.05 - .012		Mc. M. C.
18	Do.....		100	100		75	.10 - .04	.05 - .015		C.
19			80	80		50				Mc.
20	Private.....	300	(300)	300		310	.12 - .05			Mc. C.
21		180				135			City of Sturgis.....	Mc.
22	Private.....		150	125		80	.10			C.
23		1,320				1,000				Mc. M.
24	Private.....	300				37½	.10 - .06			Mc. M. C.
25		350	700	1,650		1,500	.18			Mc. M.
26		750	1,500	1,330		1,900				Mc. M.
27	Private.....	350				200	.08	.05 - .025		Mc. C.
28	Do.....	70				25				C.
29		8,000				5,600				O.
30						1,500				O.
31						1,500				O.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MICHIGAN—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
32	Columbiaville Woolen Mill.	D.	Columbiaville.	Columbiaville.	Columbiaville.	
33	Commonwealth Power, Railway & Light Co.	H.				
34	Au Sable Electric Co.	GTD.	Southern Michigan.	Albion.		
35	Do.	GTD.	do.	Allegan.		
36	Do.	GTD.	do.	Battle Creek.		
37	Do.	GTD.	do.	do.		
38	Do.	GTD.	do.	do.		
39	Do.	GTD.	do.	Bay City.		
40	Do.	GTD.	do.	Ceresco.		
41	Do.	GTD.	do.	Cooke.		Au Sable River.
42	Do.	GTD.	do.	Croton.		
43	Do.	GTD.	do.	Five Channels.		Au Sable River.
44	Do.	GTD.	do.	Flint.		
45	Do.	GTD.	do.	Grand Rapids.		
46	Do.	GTD.	do.	do.		
47	Do.	GTD.	do.	Jackson.		
48	Do.	GTD.	do.	Kalamazoo.		
49	Do.	GTD.	do.	Loud.		
50	Do.	GTD.	do.	Lowell, No. 1.		
51	Do.	GTD.	do.	Lowell, No. 2.		
52	Do.	GTD.	do.	Otsego.		
53	Do.	GTD.	do.	Plainwell.		
54	Do.	GTD.	do.	Rogers.		
55	Do.	GTD.	do.	Saginaw.		
56	Do.	GTD.	do.	Shiawassee town.		
57	Do.	GTD.	do.	Stronach.		
58	Do.	GTD.	do.	Trowbridge.		
59	Bay City Power Co.	D.	Bay City and Essexville.	Webber.		
60	Cadillac Water & Light Co.	GD.	Cadillac.	Bay City.		
61	Commonwealth Power Co.	D.	Jackson.	Cadillac.	Cadillac.	
62	Flint Electric Co.	D.	Flint.	Jackson.		
63	Grand Rapids Edison Co.	D.	Kent County.	Flint.		
64	Grand Rapids-Muskegon Power Co.	GTD.	Ottawa and Kent Counties.	Grand Rapids.		
65	(Lessor, Grand Rapids, Grand Haven & Muskegon Ry. Co.).	L.		Fruitport.	Fruitport.	
66	Grand Rapids, Holland & Chicago Ry. Co.			Grand Rapids.		
67	Grand Rapids Ry. Co.			do.		
68	Manistee Power & Light Co.	GD.	Manistee.	Manistee.		
69	Pontiac Power Co.	GD.		Pontiac.		
70	Saginaw Power Co.	D.		Saginaw.		
71	Consolidated Light & Power Co.	GD.	Isabella, Claire, and Midland Counties.	Mount Pleasant.	Mount Pleasant.	Chippewa River.
72	Copper Range Co.	H.				
73	Baltic Mining Co.	GD.	Houghton County.	Redridge.	S. 20, T. 55 N., R. 35 W.	
74	Dundee Power Co.	GD.	Dundee.	Dundee.		
75	Edison Sault Electric Co.	GD.	Sault Ste. Marie.	East Jordan.	East Jordan.	
76	Easley Light & Power Co.	GD.	Plainwell.	East Jordan.		
77	Electric Light & Power Co.	GD.	Munising.	Manistee.		
78	Elk Rapids Electric Co.	GD.	Elk Rapids.	Pontiac.		
79	Escanaba Traction Co.	GD.	Delta County.	Saginaw.		
80	Do.					
81	(Lessor, City of Escanaba).	L.				
82	Fennville Milling Co.	GD.	Fennville.	Grand Rapids.		
83	Fowlerville Lighting Co.	GD.	Fowlerville.	do.		
84	Frugale Power Co.	GD.	Montague.	do.		
85	Gibbs, J. H., & Sons.	GD.	Edmore.	do.		
86	Gibbs, Mrs. J. L.	GD.	Mayfield and Kingsley.	do.		
87	Gladwin Light & Power Co.	GD.	Gladwin.	do.		
88	Grand Marais Light & Water Plant.	GD.	Grand Marais.	do.		
89	Grayling Electric Co.	GD.	Grayling.	do.		
90	Greene, George E., Light Plant.	GD.	Brooklyn.	do.		
91	Green, Roswell.	GD.	North Branch.	do.		
92	Hall, C. F., Light Plant.	GD.	Standish.	do.		
93	Harbor Electric Co. The.	GD.	Harbor Beach.	do.		
94	Hart Milling & Power Co.	GD.	Flushing.	do.		
95	Hillman Electric Light & Water Co.	GD.	Hillman.	do.		
96	Homer Electric Light & Power Co.	GD.	Homer.	do.		
97	Howard City Electric Light & Power Co.	GD.	Howard City.	do.		
98	Hubbardston Electric Light & Power Co.	GD.	Hubbardston.	do.		
99	Hudson Electric Light Co.	GD.	Hudson.	do.		
100	Hulm, D. G., Co.	GD.	Saranac.	do.		
101	Hydraulic Power & Light Co.	GD.	Charlevoix.	do.		
102	Imlay City Electric Light Co.	GD.	Imlay City.	do.		
103	Indiana & Michigan Electric Co.	GD.	Berrien Springs.	do.		
104	Do.	GD.	Buchanan.	do.		
105	Ionia Water Power Electric Co.	GD.	Ionia.	do.		
106	Iron Mountain Electric Light & Power Co.	GD.	Iron Mountain.	do.		
107	Iron Range Light & Power Co.	D.	Iron County.	do.		
108	Ironwood & Bessemer Railway & Light Co.	GD.	Gogebic County and points in Wisconsin.	do.		
109	Kalkaska Light & Power Co.	GD.	Kalkaska.	do.		
110	Lake City Electric Light & Water Co.	GD.	Lake City.	do.		
111	Lapeer Gas & Electric Co.	GD.	Lapeer.	do.		
112	Leland Light & Power Co.	GD.	Leelanau County.	do.		
113	McCaskey, W. T., & Co.	M.		do.		
114	Continental Utilities Co.	GD.	Allegan County.	do.		
115	McIntyre, Frank.	GD.	Hersey.	do.		
116	Macatawa Resort Co.	GD.	Macatawa.	do.		



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MICHIGAN—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt, hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
32										Mc.
33										M. Mc.
34										M. Mc.
35										M. Mc.
36										M. Mc.
37										Mc.
38										M. Mc.
39										M. Mc.
40										M. Mc.
41										M. Mc.
42										Mc. M. O.
43										Mc. M.
44										Mc. M.
45		64,213	29,481	62,180		84,100				Mc. M.
46										Mc. M.
47										Mc. M.
48										Mc. M.
49										Mc. M.
50										Mc. M.
51										Mc. M.
52										Mc. M.
53										Mc. M.
54										Mc. M.
55										Mc. M.
56										Mc. M.
57										Mc. M.
58										Mc. M.
59									Au Sable Electric Co.	Mc.
60			700	550		450				M. Mc.
61										M. Mc.
62									Au Sable Electric Co.	Mc.
63									Grand Rapids-Muskegon Power Co.	M. Mc.
64		6,000				(3,600)				M.
65			1,000	1,250		1,250			Au Sable Electric Co.	Mc.
66										M.
67										M.
68		600	320	980		500				Mc. M.
69			1,400	1,650		1,300				M. Mc.
70										Mc.
71		400	700	600		700			Gladwin Light & Power Co.	Mc. C.
72			1,650	2,000		1,500				C.
73		210	160	120		200				Mc.
74			300	375		465				Mc.
75	Public	3,000			1,800	1,800	\$0.10 - \$0.02	\$0.03 - \$0.0075		Mc. M. C.
76	Private	420	400	450		400		.06		Mc. C.
77			500	350		225				Mc.
78		350				210				Mc.
79	Private	3,200	200	300		2,150	.08 - .01	.08 - .007		Mc. M. C.
80	Do	1,320				900	.08 - .01	.08 - .007		Mc. M. C.
81			700	400		400	.08 - .01	.08 - .007		C
82			100	85		40				Mc.
83			220	220		70				Mc.
84	Private				125	180	.10 - .06	.06 - .04		Mc. C.
85	Do		180	160		85	.11 - .08	.08 - .04		Mc. C.
86	Do	75				45		.125		Mc. C.
87		400				250				Mc.
88			205	200		179				Mc.
89	Private	136				90	.12 - .08			Mc. C.
90			100	110		75				Mc.
91	Private		80	80		50	.10 - .08			Mc. C.
92			150	150		100				Mc.
93	Private		(650)	870		650	.07 - .10	.05 - 6.00	The Huron Milling Co.	Mc. C.
94	Do	450	150	135		225	.07 - .06	.05 - .015		Mc. C.
95		150				120				Mc.
96	Private	100				100	.18 - .06	.18 - .06		Mc.
97	Do		150	225		115	.12 - .07			Mc. C.
98		183				45				Mc.
99	Private		325	525		420	.10 - .06	.055 - .025		Mc. C.
100		60	100	85		35				Mc.
101	Private	400	700	850		375	.04 - .03	.025 - .015		Mc. C.
102			250	175		150				Mc.
103		9,200				1,500				Mc. M. O.
104		200								Mc. M. O.
105		400				(240)				Mc.
106			600	350		250			Peninsular Power Co.	M. Mc.
107										M. Mc. C.
108		2,600	900	1,300		1,000				Mc. M.
109		300				200				Mc.
110			110	80		60				Mc. C.
111			300	500		357				Mc. M.
112			200	(200)		120				Mc.
113					170	105	.12 - .07			Mc. C.
114	Private	100				42		.10		C.
115	Do		80	75		60		.15		Mc. C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MICHIGAN—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
116	Manistique Light & Power Co.	GD	Manistique	Manistique		
117	Marine City Roller Mills Co.	GD	Marine City	Marine City	Marine City	
118	Menominee & Marquette Light & Traction Co.	GTD	Menominee and Marquette, Wis.	Rapids		Menominee River
119	Do.	GD		Menominee		
120	Michigan Power Co.	GD	Lansing and East Lansing	Lansing	Lansing	
121	Do.	GD	do.	do.		Grand River
	Middle West Utilities Co.	H				
122	Constantine Hydraulic Co.	GD	St. Joseph and Cass Counties	Constantine	Constantine	St. Joseph River
123	Marquette County Gas & Electric Co.	GTD	Marquette County	Negaunee	Negaunee	
124	Milling & Power Co.	GD	Cassopolis	Cassopolis	Cassopolis	
125	Three Rivers Light & Power Co.	GTD	Three Rivers	Three Rivers	Three Rivers	Portage River
126	Milford Electric Co.	GD	Milford	Milford	Milford	Huron River
127	Monaghan & Taylor Light Plant	D	Rose City	Rose City	Rose City	
128	Morenci-Fayette Light & Power Co.	GD	Morenci and Fayette	Morenci	Morenci	
129	Nadeau Bros.	GD	Nadeau	Nadeau	Nadeau	
	National Gas, Electric Light & Power Co.	H				
130	Port Huron Gas & Electric Co.	GD	Port Huron	Port Huron	Port Huron	
131	Newaygo Portland Cement Co.	GD	Newaygo	Newaygo		
	North American Co., The	H				
132	Detroit Edison Co., The			Argo	Ann Arbor	Huron River
133	Do.			Barton	S. 17, T. 2 S., R. 6 E.	do.
134	Do.			Connors Creek, No. 1	Detroit	
135	Do.			Delray, No. 1	do.	
136	Do.			Delray, No. 2	do.	
137	Do.	GTD	Southeastern Michigan	Geddes	Geddes	
138	Do.			do.	S. 36, T. 2 S., R. 6 E.	Huron River
139	Do.			Mount Clemens	Mount Clemens	
140	Do.			Superior	S. 31, T. 3 S., R. 7 E.	Huron River
141	Do.			West Willis Avenue	Detroit	
142	(Lessor, City of Northville)	L	Northville	Northville	Northville	
143	Edison Illuminating Co. of Detroit	D	Detroit	Detroit		
144	Oak Park Power Co.	GD	Flint	Flint	Flint	
145	Ogemaw Power Co.	GD	West Branch	West Branch		
146	Omer Mill & Electric Co.	D	Omer	Omer	Omer	
147	Onaway Electric Light & Power Co.	GD	Onaway and Tower	Onaway		Black River
148	O'Rourke, J. H., Light Plant	GD	Clio	Clio	Clio	
149	Osceola Light & Power Co.	GD	Reed City	Reed City	Reed City	Hersey River
150	Peninsular Power Co.	GD	Iron Mountain and Iron River	Iron Mountain		Menominee River
151	Do.	GD	do.	Iron River	Iron River	
152	Peters, R. G., Salt & Lumber Co.	GD	Eastlake	Eastlake	Eastlake	
153	Pinconning Light & Power Co.	GD	Pinconning	Pinconning	Pinconning	
154	Postum Cereal Co.			Battle Creek		
155	Preston & Sowton	GD	Wolverine	Wolverine	Wolverine	Sturgeon River
156	Rockafellow Grain Co.	GD	Carson City	Carson City	Carson City	
157	Rogue River Electric Light & Power Co.	GD	Rockford	Rockford		Rogue River
158	Sanford, O. A., Light Plant	GD	Crystal	Crystal	Crystal	
159	Schlegel Light & Power Co.	GD	Lapeer	Lapeer		
160	Schroeder, C. P., & Co.	GD	Deerfield and Petersburg	Deerfield		
161	Sebewaing Electric Co.			Sebewaing		
162	Sparrow-Krall Lumber Co.	GD	Kenton	Kenton	Kenton	
163	Spencer Electric Light & Power Co.	GD	Belding and Smyrna	Smyrna	Smyrna	Flat River
164	Stearns Lighting & Power Co.	GD	Mason and Oceana Counties	Ludington	Ludington	
165	Stone & Stone Electric Light Co.	GD	Marion	Marion		North Branch Muskegon River
	Stone & Webster	M				
166	Houghton County Electric Light Co.	GD	Houghton, Keweenaw and Oakland Counties	Houghton	Houghton	
167	Sturgis & Sons Light Plant	GD	Fowler	Fowler	Fowler	
168	Tecumseh Electric Co., The	GD	Lenawee County	Tecumseh		Raisin River
169	Tower, R. J., Electric Co.	GD	Greenville	Greenville		Flat River
170	United Electric Co.	GD	Burr Oak	Burr Oak		
171	Do.	GD	Mendon	Mendon		
172	Do.	GD	Parkville	Parkville		
173	Utica Electric & Water Co.	GD	Utica	Utica		
	Union Carbide Co.	H				
174	Michigan Northern Power Co.	GD	Sault Ste. Marie	Sault Ste. Marie	Sault Ste. Marie	St. Marys River
175	Vanderbilt Electric Light & Power Co.	GD	Vanderbilt	Vanderbilt	Vanderbilt	
176	Wayland Light & Power Co.	GD	Wayland	Wayland	Wayland	
177	Western Utilities Co.			Grand Rapids		
178	Whipple, O. B., Light Plant	GD	Millington	Millington	Millington	
	White, J. G., & Co. (Inc.)	M				
179	Thornapple Gas & Electric Co.	GD	Barren and Kent Counties	Hastings	Hastings	
180	Do.	GD		La Barge	Caledonia	Thornapple River
181	Williamston Illuminating Co.	GD	Williamston	Williamston		
182	Worcester Lumber Co. (Ltd.)	GD	Chassell	Chassell	Chassell	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MICHIGAN—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
116		700				760				Mc.
117			250	200		250				Mc.
118	Private.....	5,700				3,700	\$0.099-\$0.038	\$0.0315-\$0.0075		Mc.M.O.C.
119			(1,000)	1,100		(600)				Mc. O.
120			3,200	4,670		3,500				Mc. M.
121		2,000				1,000				Mc. M.
122	Private.....	2,046				1,200	.10 - .05	.06 - .035		Mc. C.
123	Do.....		1,000	1,170		1,060	.10 - .07	.06 - .015		Mc. M. C.
124	Do.....		200	150		125	.11 - .05	.07 - .035	Constantine Hydraulic Co.....	Mc. C.
125		240				200		.03		Mc. C.
126	Private.....	300				250	.12 - .04	.12 - .02		Mc. C.
127										Mc.
128			275	260		220				Mc.
129	Private.....		250	120		25	.40*- .25*			Mc. C.
130	Do.....		2,000	3,500		4,300	.10 - .03	.15 - .02		Mc. C.
131		2,000				1,395				Mc. M.
132	Private.....	1,150				1,231				C.
133	Do.....	2,215				1,500				C.
134	Do.....		9,460	53,330		40,000				M. Mc. C.
135	Do.....		12,000	42,670		32,000				M. Mc. C.
136	Do.....		21,285	76,000		57,000				M. Mc. C.
137	Do.....		1,200	2,000		1,500				M. Mc. C.
138	Do.....	600				400				C.
139	Do.....		1,050	667		500				M. Mc. C.
140	Do.....	1,130				700				C.
141	Do.....		2,455	1,600		1,200				M. Mc. C.
142	Do.....	38	200	305		250				C.
143										
144			3,600	4,000		2,500				Mc.
145		500				175				Mc.
146										Mc.
147	Private.....	262				150	.12	.02		Mc. C.
148			200	130		68				Mc.
149	Private.....	183				250	.10- .04	.02 - .01		Mc. C.
150		5,250				3,750				Mc. M.
151			1,450	833		625				M. Mc.
152			2,000	1,500	50	125				Mc.
153	Private.....		200	140		75				Mc. C.
154										M.
155	Private.....	117				60	.11- .06	.03		Mc.
156			200		100	90	.10			Mc. C.
157	Private.....	225				120	.09- .07	.05 - .01		Mc.
158			125	60		15	.10			Mc. C.
159		100	150	150		200				Mc.
160		100	80	80	80	125				Mc.
161										P.
162		100	(100)	100		35				Mc.
163		370				300	.08	.053- .023		Mc.
164	Private.....		(1,660)	2,400		1,665	.09- .05	.04 - .02	Buys steam.....	Mc. C.
165	Do.....	85			35	50	.10			Mc. C.
166	Private.....		1,800	4,250		2,800	.12	.07 - .01		M. Mc. C.
167			100	80	28	40				Mc.
168	Private.....	338	400	600		250	.10- .02	.10 - .02		Mc. C.
169	Do.....	400	250	250		350	.08- .056	.02 - .018		Mc. C.
170										Mc.
171		330	220			225				Mc.
172										Mc.
173		270				1,500				Mc.
174	Private.....	30,800				20,750				Mc.M.O.C.
175			150	58		(35)	.10			Mc.
176	Private.....		80	80		50	.10			Mc.
177					60	45				M.
178										Mc.
179			315	300		660	.12- .03	.04 - .01		Mc. C.
180	Private.....	950					.12- .03	.04 - .01		Mc. C.
181		100	150	230		240				Mc.
182			(70)	80		70				Mc.
Total, A.....		186,289	117,966	287,788	748	325,960				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MICHIGAN—Continued.

## B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
183		GD	Addison	Addison		
184		GD	Algonac	Algonac	Algonac	
185		D	Allegan	Allegan		
186		GD	Alpena	Alpena	Alpena	
187		GD	Bad Axe	Bad Axe	Bad Axe	
188		GD	Bangor	Bangor	Bangor	
189		GD	Baraga	Baraga	Baraga	
190		GD	Bay City	Bay City	Bay City	
191		GD	Bellaire	Bellaire	Bellaire	Cedar River
192		GD	Blissfield	Blissfield	Blissfield	
193		GD	Bronson	Bronson	Bronson	
194		GD	Brown City	Brown City	Brown City	
195		D	Capac	Capac		
196		GD	Cass City	Cass City	Cass City	
197		GD	Charlevoix	Charlevoix	Charlevoix	
198		GD	Chelsea	Chelsea	Chelsea	
199		GD	Chesaning	Chesaning	Chesaning	
200		GD	Clinton	Clinton	Clinton	
201		GD	Coldwater	Coldwater	S. 21, T. 6 S., R. 6 W.	
202		GD	Croswell	Croswell	Croswell	
203		GD	Crystal Falls	Crystal Falls		Paint River
204		GD	Davison	Davison	Davison	
205		GD	Decatur	Decatur	Decatur	
205		GD	Deckerville	Deckerville	Deckerville	
207		GD	Detroit	Detroit	Detroit	
208		GD	Dexter	Dexter	Dexter	
209		GD	Dowagiac	Dowagiac	Dowagiac	
210		GD	Durand	Durand	Durand	
211		GD	East Tawas and Tawas City	East Tawas	East Tawas	
212		GD	Eaton Rapids	Eaton Rapids	Eaton Rapids	
213		D	Escanaba	Escanaba	Escanaba	
214		GD	Ewart	Ewart	Ewart	
215		GD	Gaylord	Gaylord	Gaylord	
216		D	Gladstone	Gladstone	Wells	
217		GD	Grand Haven	Grand Haven	Grand Haven	
218		GD	Grand Rapids	Grand Rapids	Grand Rapids	
219		D	Grass Lake	Grass Lake		
220		GD	Harbor Springs	Harbor Springs	Harbor Springs	
221		GD	Harrisville	Harrisville	Harrisville	
222		GD	Hillsdale	Hillsdale	Hillsdale	
223		GD	Holland	Holland	Holland	
224		GD	Howell	Howell	Howell	
225		GD	Ithaca	Ithaca	Ithaca	
226		GD	Jonesville	Jonesville	Jonesville	
227		GD	Kalamazoo	Kalamazoo	Kalamazoo	
228		GD	L'Anse	L'Anse	L'Anse	Fall River
229		GD	Lansing	Lansing	Lansing	
230		GD	Lawton	Lawton	Lawton	
231		GD	Lowell	Lowell		
232		GD	Lyons	Lyons		
233		GD	Mackinac Island	Mackinac Island	Mackinac Island	
234		GD	Manchester	Manchester		
235		GD	Manton	Manton	Manton	
236		GD	Marcellus	Marcellus	Marcellus	
237		GD	Marlette	Marlette	Marlette	
238		GD	Marquette	Marquette	Marquette	Dead River
239		GD	Marshall	Marshall	Marshall	Kalamazoo River
240		GD	Mason	Mason	Mason	
241		GD	Mayville	Mayville	Mayville	
242		GD	Monroe	Monroe	Monroe	
243		GD	Negaunee	Negaunee	Negaunee	
244		GD	New Baltimore	New Baltimore	New Baltimore	
245		GD	Newberry	Newberry	Newberry	
246		GD	Niles	Niles		Dowagiac Creek
247		GD	North Adams	North Adams	North Adams	
248		GD	Norway and Vulcan	Norway	Norway	
249		GD	Ontonagon	Ontonagon	Ontonagon	
250		D	Otsego	Otsego		
251		GD	Ovid	Ovid	Ovid	
252		GD	Oxford	Oxford	Oxford	
253		GD	Paw Paw	Paw Paw	Paw Paw	Paw Paw River
254		GD	Petoskey	Petoskey		Bear River
255		GD	Plymouth	Plymouth	Plymouth	
256		GD	Portland	Portland	Portland	Grand River
257		GD	Quincy	Quincy	Quincy	
258		GD	Reading	Reading	Reading	
259		GD	River Rouge	River Rouge	River Rouge	
260		GD	Roscommon	Roscommon	Roscommon	
261		GD	St. Charles	St. Charles	St. Charles	
262		GD	St. Clair	St. Clair	St. Clair	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MICHIGAN—Continued.

## B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
183		95	65	60		(80)			Addison Milling Co.	Mc.
184			250	125		75				Mc.
185									Commonwealth Power Co.	Mc.
186			710	225		150				Mc. C.
187			250	225		250				Mc.
188			160	102		60	\$0.10			Mc. C.
189					175	75				Mc.
190	City		800	2,513		2,450	.10-.04	\$0.02		Mc. C.
191	Private	150				200				Mc. C.
192			160	130		150				Mc.
193			160	170		180				Mc.
194			200	100		160				Mc.
195										Mc.
196			240	195		175	.10	.045		Mc. C.
197			200	150	100	90			Hydraulic Power & Light Co.	Mc. C.
198			350	200		100				Mc.
199			340	140		100	.10-.06	.06-.03		Mc. C.
200			300	200		100				Mc.
201	Private		600	450		350	.08-.04	.03		Mc. C.
202	Do.		200	150		100				Mc. C.
203	Do.	670				550	.06-.04	.05-.03		Mc. C.
204					67	46	.13			Mc. C.
205			400	350		(180)				Mc.
206			80	(80)		50				Mc.
207			3,500	7,070		5,600				Mc.
208			100	80		60				Mc.
209			242	250		238				Mc. C.
210			400	325		265				Mc.
211			100	150		150				Mc.
212			330	160		150				Mc.
213	Private						.07-.035	.07-.03	Escanaba Traction Co.	Mc. C.
214			160	125	80	122	.07			Mc. C.
215			225	325		140	.075			Mc. C.
216									Escanaba Traction Co.	Mc. C.
217			400	700		470				Mc.
218	Private		2,160	1,690		1,365				Mc. C.
219										Mc.
220			450	580		260				Mc.
221			40	40		60				Mc.
222			280	675		660				Mc.
223	City		1,200	2,450		1,800	.06-.04	.05-.02		Mc. C.
224			350	600		435	.08-.07	.05-.03		Mc. C.
225			200	225		120				Mc.
226	Private		335	250		160	.10			Mc. C.
227			600	1,600		1,200				Mc. C.
228	Private		200	(310)		187				C.
229	Do.		3,450	7,170		5,325	.05-.0175	.05-.0175		Mc. C.
230			175	165		60	.10			Mc. C.
231		368				250				Mc.
232		152				45				Mc.
233			(450)	600		450				Mc.
234		236				75				Mc.
235			300	120		75				Mc.
236			250	125		75				Mc.
237			250	132		60	.10			Mc. C.
238	Private	2,500				2,500	.05-.02	.03-.01		Mc. C.
239	Do.	664				400	.05-.04	.03-.01	Commonwealth Power Co.	Mc. C.
240	Do.		320	260		205				Mc. C.
241			100	100		60				Mc.
242			500	500		250				Mc.
243	Private		500	600		500	.10-.08	.04		Mc. C.
244			150	125		75				Mc.
245			270	300		180				Mc.
246	Private	700	125	120		600	.08-.05	.05-.018	Indiana & Michigan Electric Co.	Mc. C.
247			(50)	(80)		50				Mc.
248			350	335		150				Mc.
249			250	250		150				Mc.
250									Commonwealth Power Co.	Mc.
251			150	250		200	.12	.08-.05		Mc. C.
252			200	150		160				Mc.
253	Private	325				250	.10			Mc. C.
254		70	600	900		550	.07.05			Mc. C.
255			140	180		200				Mc.
256	Private	400				516	.06	.02		Mc. C.
257	Do.		300	225		125	.10	.10-.03		Mc. C.
258			300	150		135	.10-.05	.05-.045		Mc. C.
259			300	350		180				Mc.
260			100	55		120				Mc.
261			200	125		75				Mc.
262			325	330		187½				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MICHIGAN—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
263		GD.	St. Ignace.	St. Ignace.	St. Ignace.	
264		GD.	St. Johns.	St. Johns.	St. Johns.	
265		GD.	St. Joseph.	St. Joseph.	St. Joseph.	
266		GD.	St. Louis.	St. Louis.	St. Louis.	
267		GD.	Sandusky.	Sandusky.	Sandusky.	
268		GD.	Schoolcraft.	Schoolcraft.	Schoolcraft.	
269		GD.	Sebewaing.	Sebewaing.	Sebewaing.	
270		GD.	Shepherd.	Shepherd.	Shepherd.	
271		GD.	South Haven.	South Haven.	South Haven.	
272		GD.	Springport.	Springport.	Springport.	
273		GD.	Stanton.	Stanton.	Stanton.	
274		GD.	Sturgis and Centerville.	Sturgis.		St. Joseph River.
275		GD.	Thompsonville.	Thompsonville.		Big Betsy River.
276		GD.	Three Oaks.	Three Oaks.	Three Oaks.	
277		GD.	Traverse City.	Traverse City.		
278		GD.	Union City.	Union City.	Union City.	
279		GD.	Vassar.	Vassar.	Vassar.	
280		GD.	Vicksburg.	Vicksburg.	Vicksburg.	
281		GD.	White Cloud.	White Cloud.		
282		GD.	Whitehall.	Whitehall.	Whitehall.	
283		GD.	Wyandotte.	Wyandotte.	S. 29, T. 4 S., R. 11 E.	
284		GD.	Yale.	Yale.	Yale.	
285		GD.	Ypsilanti.	Ypsilanti.		
286		GD.	Zeeland.	Zeeland.	Zeeland.	

## C.—ALL OTHER PLANTS.

287	Cambria Steel Co.	H.				
288	Penn Iron Mining Co.	G.	Mining.	Vulcan.	Vulcan.	Menominee River.
	Do.	G.	do.	do.	do.	
289	Carnegie Steel Co.					
	Oliver Iron Mining Co.			Iron Mountain.		Menominee River.
290	Detroit United Railway Co.	HG.	Electric railway.	Birmingham.	Birmingham.	
291	Do.			Detroit, A.	Detroit.	
292	Do.			Detroit, B.	do.	
293	Do.			Farmington Junction.	Farmington Junction.	
294	Do.			Port Huron.	Port Huron.	
295	Do.			Rochester.	Rochester.	
296	Detroit, Jackson & Chicago Ry. Co.	G.	do.	Ypsilanti.	Ypsilanti.	
297	Detroit, Monroe & Toledo Shore Line Ry. Co.		do.	Monroe.	Monroe.	
298	Detroit & Port Huron Shore Line Ry. Co.		do.	New Baltimore.	New Baltimore.	
299	Grand Trunk Railway Co.		do.	Port Huron.	Port Huron.	
300	Marquette City & Presque Isle Ry. Co.		do.	Marquette.	Marquette.	
301	Otsego Water Power Co.		Mills.	Otsego.	Otsego.	Kalamazoo River.
	Stone & Webster.					
302	Houghton County Traction Co.		Electric railway.	Hancock.	Hancock.	
303	Victoria Copper Mining Co.		Mining and milling.	Victoria.	Victoria.	West branch Ontonagon River.

## MINNESOTA.

## A.—PUBLIC UTILITY PLANTS.

1	American Light & Traction Co.	H.				
	St. Paul Gas Light Co.	GD.	St. Paul.	St. Paul.	St. Paul.	
	American Public Utilities Co.	H.				
2	Wisconsin-Minnesota Light & Power Co.	GTD.	Wabasha, Lake City, and Red Wing.	Red Wing.	Red Wing.	
3	Annandale Electric Light & Power Co.	GD.	Annandale.	Annandale.	Annandale.	
4	Bellingham Electric Light Co.	GD.	Bellingham.	Bellingham.	Bellingham.	
5	Beltrami Electric Light & Power Co.	GT.	Warfield Electric Co.	Beמידji.	S. 3, T. 146 N., R. 32 W.	Mississippi River.
6	Big Falls Manufacturing Co.	GD.	Big Falls.	Big Falls.	Big Falls.	
7	Blackduck Electric & Telephone Co.	GD.	Blackduck.	Blackduck.	Blackduck.	
8	Breilein & Engel.	GD.	New Richland.	New Richland.	New Richland.	
9	Brush Electric Co.	D.	Cloquet.			
	Byllesby, H. M. & Co.	M.				
10	Consumers Power Co.			Cannon Falls.	Cannon Falls.	Cannon River.
11	Do.			Mankato.	Mankato.	
12	Do.			Rapidan.	Rapidan.	Blue Earth River.
13	Do.	GTD.	Southeastern Minnesota.	Riverside.	Riverside.	
14	Do.			South St. Paul.	South St. Paul.	
15	Do.			Stillwater.	Stillwater.	
16	Do.			Taylor's Falls.	Taylor's Falls.	St. Croix River.
17	Minneapolis General Electric Co.			Main Street.	Minneapolis.	Mississippi River.
18	Northern Mississippi River Power Co.	GT.	do.	Coon Rapids.	Coon Rapids.	do.
19	Red River Power Co.	GTD.	do.	Red Lake Falls.	Red Lake Falls.	Red Lake River.



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MICHIGAN—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
263	.....	.....	200	250	.....	170	.....	.....	.....	Mc.
264	.....	.....	375	275	.....	317	.....	.....	.....	Mc.
265	Private.....	.....	.....	.....	115	75	.....	.....	.....	Mc. C.
266	.....	268	180	215	.....	195	.....	.....	.....	Mc.
267	Private.....	.....	200	300	.....	225	\$0.08	.....	.....	Mc. C.
268	Do.....	.....	300	125	.....	75	1.50-\$0.35	.....	.....	Mc. C.
269	.....	.....	.....	.....	150	95	.125	.....	.....	Mc. C.
270	.....	.....	.....	.....	.....	.....	.....	.....	Consolidated Light & Power Co.	Mc.
271	Private.....	.....	450	700	.....	600	.12- .05	\$0.10-\$0.04	.....	Mc. C.
272	.....	.....	250	100	.....	70	.....	.....	.....	Mc.
273	Private.....	.....	300	125	.....	100	.10	.....	.....	Mc. C.
274	.....	1,688	250	200	.....	1,250	.....	.....	.....	Mc. O.
275	Private.....	150	.....	.....	.....	175	.06	.....	.....	Mc. C.
276	.....	.....	230	150	.....	85	.....	.....	.....	Mc.
277	.....	800	.....	.....	.....	600	.....	.....	.....	Mc.
278	Private.....	.....	440	230	.....	125	.10	.10	.....	Mc.
279	Do.....	.....	120	230	.....	130	.06	.....	.....	Mc. C.
280	.....	.....	120	140	.....	140	.....	.....	.....	Mc.
281	.....	.....	160	(100)	.....	60	.....	.....	.....	Mc.
282	.....	.....	150	150	.....	113	.....	.....	.....	Mc.
283	Private.....	.....	1,200	550	.....	550	.06- .04	.05- .02	.....	Mc. C.
284	.....	.....	125	250	.....	125	.....	.....	.....	Mc.
285	.....	300	200	350	.....	(180)	.....	.....	.....	Mc.
286	.....	.....	250	225	.....	135	.....	.....	.....	Mc. C.
Total, B.....		10,972	32,342	41,492	687	38,966	.....	.....	.....	.....

## C—ALL OTHER PLANTS.

287	Private.....	5,000	.....	.....	.....	3,500	.....	.....	.....	M. C.
288	.....	.....	800	2,000	.....	1,500	.....	.....	.....	M. O. C.
289	.....	3,850	.....	.....	.....	.....	.....	.....	.....	C.
290	.....	.....	550	1,100	.....	700	.....	.....	Detroit Edison Co.....	Mc. C.
291	.....	.....	4,400	7,500	.....	5,500	.....	.....	do.....	Mc. C.
292	.....	.....	6,800	11,500	.....	15,900	.....	.....	do.....	Mc. C.
293	.....	.....	2,000	2,250	.....	1,200	.....	.....	.....	Mc. C.
294	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mc. C.
295	.....	.....	2,500	7,500	.....	4,150	.....	.....	Detroit Edison Co.....	Mc. C.
296	.....	.....	2,500	3,686	.....	2,750	.....	.....	do.....	M. Mc. C.
297	.....	.....	2,000	6,700	.....	5,450	.....	.....	.....	M. Mc. C.
298	.....	.....	2,700	6,750	.....	3,200	.....	.....	.....	M. Mc. C.
299	.....	.....	1,600	3,350	.....	2,500	.....	.....	.....	Mc.
300	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. Mc.
301	Private.....	3,000	6,000	5,000	.....	3,000	.....	.....	.....	O. C.
302	.....	.....	625	1,500	.....	1,000	.....	.....	Houghton County Electric Light Co.	M. Mc.
303	Private.....	4,000	.....	.....	.....	.....	.....	.....	.....	M. O. C.
Total, C.....		15,850	32,475	58,836	.....	50,350	.....	.....	.....	.....
Grand total.....		213,111	182,783	388,116	1,435	415,276	.....	.....	.....	.....

## MINNESOTA.

## A.—PUBLIC UTILITY PLANTS.

1	Private.....	7,800	2,600	9,000	.....	9,300	\$0.11 -\$0.055	\$0.05 -\$0.011	Consumers Power Co.....	C. Mc.
2	.....	.....	.....	.....	350	195	.....	.....	.....	M. Mc.
3	.....	.....	.....	.....	35	1,250	.18	.....	.....	C. Mc.
4	.....	.....	.....	.....	40	34	.....	.....	.....	C. Mc.
5	.....	1,100	.....	.....	.....	500	.....	.....	.....	Mc. SDC.
6	.....	.....	160	50	.....	60	.....	.....	.....	Mc.
7	.....	.....	210	240	.....	50	.....	.....	.....	Mc.
8	Private.....	.....	70	190	.....	65	.10	.10	Cloquet Electric Co.....	C. Mc.
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mc.
10	.....	1,800	.....	.....	.....	1,100	.....	.....	.....	C.
11	.....	.....	609	1,210	.....	800	.....	.....	.....	C.
12	.....	2,200	.....	.....	.....	1,500	.....	.....	.....	C. M. O.
13	.....	.....	6,000	16,100	.....	12,000	.....	.....	.....	SDC.
14	.....	.....	265	190	.....	175	.....	.....	.....	C.
15	.....	.....	640	1,000	.....	750	.....	.....	.....	C. M. Mc.
16	.....	25,200	.....	.....	.....	15,000	.....	.....	.....	C. M. C.
17	.....	3,400	.....	.....	.....	2,020	.....	.....	.....	Mc. O.
18	Public.....	10,500	.....	.....	.....	8,125	.....	.....	.....	C. M. Mc. O.
19	.....	350	150	150	.....	341	.....	.....	.....	M. Mc. O.
SDC.										

1 Lamp-hour.



TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MINNESOTA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
20	Cambridge Milling Co.....	GD.....	Cambridge.....	Cambridge.....	Cambridge.....	.....
21	Campbell, L. G., Manufacturing Co.....	GD.....	Blooming Prairie.....	Blooming Prairie.....	Blooming Prairie.....	.....
22	Cass Water, Light & Power Co.....	GD.....	Cass Lake.....	Cass Lake.....	Cass Lake.....	.....
23	Central Minnesota Light & Power Co.....	H.....	.....	.....	.....	.....
23	Renville Electric Co.....	GTD.....	Bird Island, Hector, Buffalo Lake, and Stewart.	Bird Island.....	Bird Island.....	.....
24	Southern Minnesota Power Co.....	GTD.....	Spring Valley, Wykoff, and Grand Meadows.	Spring Valley.....	Spring Valley.....	.....
25	Central Minnesota Power & Milling Co.....	GD.....	Sauk Center.....	Sauk Center.....	Sauk Center.....	.....
26	Chatfield Electric Light & Power Co.....	GD.....	Chatfield.....	Chatfield.....	.....	Root River.
27	Chisholm Electric Co.....	GD.....	Chisholm and vicinity.....	Chisholm.....	Chisholm.....	.....
28	Citizens Light, Heat & Power Co.....	GTD.....	Canby, Porter, Taunton.....	Canby.....	Canby.....	.....
29	Clarkfield Roller Mills & Electric Light Co.....	GD.....	Clarkfield.....	Clarkfield.....	Clarkfield.....	.....
30	Cloquet Electric Co.....	GTD.....	Cloquet and vicinity.....	Cloquet.....	Cloquet.....	.....
31	Crescent Milling Co.....	GD.....	.....	Fairfax.....	.....	.....
32	Crookston Water Works, Power & Light Co.....	GD.....	Crookston.....	Crookston.....	S. 36, T. 150 N., R. 47 W.	Red Lake River.
33	Cuyuna Range Power Co.....	GTD.....	.....	Brainerd.....	Brainerd.....	.....
34	Do.....	.....	Ironton, Riverton, Burrows and Brainerd.	Deerwood.....	Deerwood.....	.....
35	Do.....	.....	Cuyuna.....	Sylvan.....	S. 30, T. 133 N., R. 29 W.	Crow Wing River.
36	Duluth Edison Electric Co.....	GD.....	Duluth.....	Duluth.....	Duluth.....	.....
37	Eastern Minnesota Power Co.....	GTD.....	Pine City, Rush City, Harris, and vicinity.	Pine City.....	S. 26, T. 39 N., R. 21 W.	.....
38	Electrical Development Co. (The).....	GT.....	Crookston.....	Crookston.....	Crookston.....	.....
39	Everton Electric Light & Power Co.....	GD.....	Everton.....	Deer River.....	Everton.....	.....
40	Farmington Electric Light & Power Co.....	D.....	Farmington.....	.....	.....	.....
41	Foley Electric Light & Power Co.....	GD.....	Foley.....	Foley.....	Foley.....	.....
42	Fulda Light & Power Co.....	GD.....	Fulda.....	Fulda.....	Fulda.....	.....
43	Glenwood Electric Light, Heating & Power Co.....	GTD.....	Glenwood and Starbuck.....	Glenwood.....	Glenwood.....	.....
44	Hanover Roller Mills Co.....	GD.....	Hanover.....	Hanover Mills.....	.....	Crow River.
45	Heiberg, J. F., Electric Light Plant.....	GTD.....	Heiberg and Twin Valley.....	Heiberg.....	S. 16, T. 144 N., R. 44 W.	.....
46	Hendricks Light & Power Co.....	GD.....	Hendricks.....	Hendricks.....	Hendricks.....	.....
47	Hinckley Electric Co.....	GD.....	Hinckley.....	Hinckley.....	.....	Grindstone River.
48	Home Electric & Heating Co.....	GTD.....	Eveleth and Fayal.....	Eveleth.....	Eveleth.....	.....
49	Jones, R. E., & Co.....	GD.....	Wabash.....	Wabash.....	Wabash.....	.....
50	Jordan Electric Light & Heating Co.....	GD.....	Jordan.....	Jordan.....	Jordan.....	.....
51	Kenyon Light & Power Co.....	D.....	Kenyon.....	Kenyon.....	.....	.....
52	Kettle River Power Co.....	GTD.....	Sandstone and Hinckley.....	Sandstone.....	.....	Kettle River.
53	Le Roy Electric Light Plant.....	GD.....	Le Roy.....	Le Roy.....	Le Roy.....	.....
54	Light, Heat & Power Co.....	GD.....	Stewartville.....	Stewartville.....	Stewartville.....	.....
55	Little Falls Water Power Co. of Minnesota.....	GTD.....	Little Falls and Pierz.....	Little Falls.....	.....	Mississippi River.
56	McCaskey, W. T., & Co.....	M.....	.....	.....	.....	.....
56	Lesueur County Electric Light & Power Co.....	GD.....	Lesueur Center.....	Lesueur Center.....	Lesueur Center.....	.....
57	Montgomery Electric Light & Power Co.....	GD.....	Montgomery.....	Montgomery.....	Montgomery.....	.....
58	McIntosh Electric Light Plant.....	GD.....	McIntosh.....	McIntosh.....	McIntosh.....	.....
59	Mabel Elevator Co.....	GD.....	.....	Mabel.....	.....	.....
60	Mapleton Electric Light & Heating Plant.....	GD.....	Mapleton.....	Mapleton.....	Mapleton.....	.....
61	Melrose Milling Co.....	GD.....	Melrose.....	Melrose.....	.....	Sauk River.
62	Minnesota Gas & Electric Co.....	GD.....	Albert Lea.....	Albert Lea.....	Albert Lea.....	.....
63	Montevideo Electric Light & Power Co.....	GD.....	Montevideo.....	Montevideo.....	.....	Minnesota River.
64	Nichols-Chisholm Lumber Co.....	GD.....	Frazee.....	Frazee.....	Frazee.....	.....
65	Northern Power Co.....	GTD.....	Belle Plaine.....	Belle Plaine.....	Belle Plaine.....	.....
66	Do.....	.....	Excelsior and vicinity.....	Excelsior.....	Excelsior.....	.....
67	Northfield Light, Heat & Power Co.....	GD.....	Northfield.....	Northfield.....	.....	Cannon River.
68	Northwestern Power Co.....	H.....	.....	.....	.....	.....
68	Great Northern Power Co.....	GTD.....	Duluth and Superior, Wis.....	Thompson.....	T. 48 N., R. 16 W.....	St. Louis River.
69	Do.....	GTD.....	do.....	Virginia.....	Virginia.....	.....
70	Northwest Light & Power Co.....	H.....	Glencoe.....	Glencoe.....	Glencoe.....	.....
71	Do.....	.....	Pipestone.....	Pipestone.....	Pipestone.....	.....
72	Hutchinson Lighting & Manufacturing Co.....	GTD.....	Hutchinson and Biscay.....	Hutchinson.....	Hutchinson.....	.....
73	Osakis Milling Co.....	GD.....	Osakis.....	Osakis.....	Osakis.....	.....
74	Otter Tail Power Co.....	.....	.....	Dayton Hollow.....	S. 20, T. 132 N., R. 43 W.....	Otter Tail River.
75	Do.....	.....	Breckenridge, Campbell, Chokio, Clinton, Doran, Elbow Lake, Foxhome, Graceville, Herman, Fergus Falls.	Fergus Falls.....	.....	do.....
76	Do.....	GD.....	.....	Hoot Lake.....	.....	.....
77	Do.....	.....	.....	Graceville.....	Graceville.....	.....
78	Do.....	.....	.....	Morris.....	Morris.....	.....
79	Do.....	.....	.....	Elbow Lake.....	Elbow Lake.....	.....
80	Park Rapids Hydro-Electric Light & Power Plant.....	GD.....	Park Rapids.....	Park Rapids.....	S. 25, T. 140 N., R. 35 W.....	Fish Hook River.
81	Pillsbury-Washburn Flour Mills Co.....	L.....	.....	.....	.....	.....
81	Minneapolis Mill Co.....	GTD.....	.....	Hennepin Island.....	.....	Mississippi River.
82	St. Anthony Falls Water Power Co.....	GTD.....	.....	St. Anthony Falls.....	.....	do.....
83	Pine Island Roller Mills & Electric Light Co.....	GD.....	Pine Island.....	Pine Island.....	Pine Island.....	.....
84	Pine River Electric Light & Power Co.....	GD.....	Pine River.....	Pine River.....	Pine River.....	.....
85	Pipestone Electric Light, Heating & Power Co.....	.....	.....	Pipestone.....	.....	.....
86	Plainview Electric Light & Power Co.....	GD.....	Plainview.....	Plainview.....	Plainview.....	.....
87	Public Service Co. of St. Cloud.....	GTD.....	St. Cloud, Sauk Rapids, Rockville and vicinity.	St. Cloud.....	.....	Mississippi River.
88	Public Service Operating Co.....	GD.....	Owatonna.....	Owatonna.....	Owatonna.....	.....
89	Red River Lumber Co.....	GD.....	Akely.....	Akely.....	Akely.....	.....
90	Redwood Falls Light & Power Co.....	GD.....	Redwood Falls.....	Redwood Falls.....	.....	Redwood River.



## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	*KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
20			(200)	220		(150)				Mc.
21			125	225		37½				Mc.
22	Private.....		170	292		400	\$0.15 - .10			C. Mc.
23	do.....		180	225		250	.12	\$0.07- .035		C. Mc.
24			200	225		175	.07 - .04			C. Mc.
25	Private.....	300	200	220		100	.10 - .05	.08 - .05		C. Mc.
26	Do.....	150	125	150		55	.08			C. M. Mc. SDC.
27			600	1,433		900			St. Louis Power Co.....	Mc.
28			160	300		275	.15 - .10	.10 - .04		C. Mc.
29	Private.....				150	70	.15 - .10	.10 - .06		C. Mc.
30			400	1,500		900				Mc.
31	Private.....		350	175		(105)	.105- .09	.10 - .07		C.
32	Do.....	4,000	625	1,600		1,835	.05 - .007		Electrical Development Co....	Mc.O.SDC.
33					450					
34	Private.....	2,800	200	700		2,000	.12 - .04	.045- .0125		{Mc. C. C.Mc.SDC
35		400								
36			3,000	3,000		7,500	.06 - .03	.045- .018	Great Northern Power Co.....	C. Mc.
37		400	300	300		400	.10 - .05	.05 - .01		Mc. O.
38		900				500				Mc.
39					80	100				C. Mc.
40									Consumers Power Co.....	Mc. O.
41					100	80				Mc.
42			200	75		75				C. Mc.
43	Private.....		300	300		185	.125- .10	.09 - .06		C. Mc.
44		115		75		24				SDC.
45	Private.....	150	50	50		75	.10	.05		C. Mc.
46			60	60		37½				Mc.
47		50				25			Kettle River Power Co.....	Mc.SDC.
48			400	410		300				Mc. O.
49	Private.....		100	150		75	.10	.06 - .04	Minnesota-Wisconsin Power Co.	C. Mc.
50	Do.....		150	145		75	.125- .10	.10 - .05		C. Mc.
51							.07 - .046		Consumers Power Co.....	C. Mc.
52	Private.....	500	250	200		500	.10	.08 - .05		C.Mc.SDC.
53			60	80		50				Mc.
54			125	100		64				Mc.
55	Private.....	2,000				980	.05	.03		C. Mc. O. SDC.
56					130	75				M. Mc.
57					110	62½				Mc.
58			60	60		70				C. Mc.
59					32	22	.125- .10			C.
60			120	40		25				C. Mc.
61		250	150	125		100				C. SDC.
62	Private.....		1,200	2,000		1,675	.11	.0675		C. Mc.
63	Do.....	400	200	750		875	.13 - .07			C.Mc.SDC.
64			(100)	(170)		100				Mc.
65			80	125		60				Mc.
66	Private.....		200	250		530	.15	.10 - .07	Minneapolis General Electric Co.	C. Mc.
67		170				120				SDC.
68		57,000				45,000				C. M. Mc. O.SDC.
69			4,000	4,670		3,500				C. Mc.
70			125	150		125	.125	.077		C. Mc.
71			200	395		300				Mc.
72			230	235		175	.125	.09 - .036		C. Mc.
73			350	300		25				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MINNESOTA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
91	River Falls Power Co..... Hastings Electric Light & Water Power Co.....	H..... GD.....	Hastings.....	Hastings.....		
92	Root River Power Co.....	GD.....	Royalton.....	Preston..... Royalton.....	S. 35, T. 104 N., R. 10 W.	Root River.....
93	Royalton Power & Light Co.....	GD.....	Rushford.....	Rushford.....		Root River.....
94	Rushford Power Co.....				South Haven.....	
95	South Haven Electric Light Co.....					
96	Twin City Rapid Transit Co.....	HGD.....		Main steam plant.....		
97	Do.....			Hennepin.....		
98	Minneapolis Street Ry. Co.....	GD.....		Minneapolis.....		Mississippi River.....
99	Walker, W. H., Milling Co.....	GD.....	Alden.....	Alden.....	Alden.....	
100	Warfield Electric Co.....	GTD.....	Bemidji and Nymore.....	Bemidji.....	Bemidji.....	
101	Western Mesaba Electric Co.....	GTD.....	Bovey, Coleraine, and Iron Range Township.	Bovey.....	Bovey.....	
102	Wheaton Electric Light Co.....	GD.....	Wheaton.....	Wheaton.....	Wheaton.....	
103	Wherland Electric Co.....	D.....	North Redwood, Morgan, Redwood Falls, and Morton.	Redwood Falls.....	Redwood Falls.....	
104	Wisconsin Railway, Light & Power Co.....	GTD.....	Winona, Rollingstone, Minneapolis city, and Homer.	Winona.....	Winona.....	

## B.—MUNICIPAL PLANTS.

105	GD.....	Ada.....	Ada.....	Ada.....	
106	GD.....	Adrian.....	Adrian.....	Adrian.....	
107	GD.....	Aitkin.....	Aitkin.....	Aitkin.....	
108	GD.....	Albany.....	Albany.....	Albany.....	
109	GD.....	Alexander.....	Alexander.....	Alexander.....	
110	GD.....	Anoka.....	Anoka.....	Anoka.....	
111	GD.....	Appleton.....	Appleton.....	Appleton.....	
112	GD.....	Argyle.....	Argyle.....	Argyle.....	
113	GD.....	Arlington.....	Arlington.....	Arlington.....	
114	GD.....	Aurora.....	Aurora.....	Aurora.....	
115	GD.....	Austin.....	Austin.....	Austin.....	
116	GD.....	Bagley.....	Bagley.....	Bagley.....	
117	GD.....	Barnesville.....	Barnesville.....	Barnesville.....	
118	GD.....	Baudette.....	Baudette.....	Baudette.....	
119	GD.....	Belgrade.....	Belgrade.....	Belgrade.....	
120	GD.....	Benson.....	Benson.....	Benson.....	
121	GD.....	Biwabik.....	Biwabik.....	Biwabik.....	
122	GD.....	Blue Earth.....	Blue Earth.....	Blue Earth.....	
123	D.....	Brainerd.....	Brainerd.....	Brainerd.....	
124	D.....	Breckenridge.....	Breckenridge.....	Breckenridge.....	
125	GD.....	Brown Valley.....	Brown Valley.....	Brown Valley.....	
126	GD.....	Buffalo.....	Buffalo.....	Buffalo.....	
127	GD.....	Buhl.....	Buhl.....	Buhl.....	
128	GD.....	Caledonia.....	Caledonia.....	Caledonia.....	
129	GD.....	Chaska.....	Chaska.....	Chaska.....	
130	GD.....	Comfrey.....	Comfrey.....	Comfrey.....	
131	GD.....	Dawson.....	Dawson.....	Dawson.....	
132	GD.....	Delano.....	Delano.....	Delano.....	
133	GD.....	Detroit.....	Detroit.....	Detroit.....	
134	D.....	East Grand Forks.....	East Grand Forks.....	East Grand Forks.....	
135	GD.....	Echo.....	Echo.....	Echo.....	
136	GD.....	Elbow Lake.....	Elbow Lake.....	Elbow Lake.....	
137	GD.....	Ellsworth.....	Ellsworth.....	Ellsworth.....	
138	GD.....	Ely.....	Ely.....	Ely-S. 2, T. 7 N., R. 15 W.	
139	GD.....	Eyota.....	Eyota.....	Eyota.....	
140	D.....	Fairfax.....	Fairfax.....	Fairfax.....	
141	GD.....	Fairmont.....	Fairmont.....	Fairmont.....	
142	D.....	Fergus Falls.....	Fergus Falls.....	Fergus Falls.....	
143	GD.....	Fosston.....	Fosston.....	Fosston.....	
144	GD.....	Gaylord.....	Gaylord.....	Gaylord.....	
145	GD.....	Grand Rapids.....	Grand Rapids.....	Grand Rapids.....	
146	GTD.....	Granite Falls, Maynard, and Wood Lake.	Granite Falls.....		Minnesota River.....
147	GD.....	Hardwick.....	Hardwick.....	Hardwick.....	
148	GD.....	Hawley.....	Hawley.....	Hawley.....	
149	GD.....	Twin Valley.....	Heiberg.....	S. 16, T. 144 N., R. 44 W.	
150	GD.....	Henderson.....	Henderson.....	Henderson.....	
151	GD.....	Hibbing.....	Hibbing.....	Hibbing.....	
152	GD.....	Jackson.....	Jackson.....		Des Moines River.....
153	GD.....	Kasson.....	Kasson.....	Kasson.....	
154	GD.....	Kelliher.....	Kelliher.....	Kelliher.....	
155	GD.....	Keewatin.....	Keewatin.....	Keewatin.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MINNESOTA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
91	Do.....	900	75	200	.....	780	\$0.15	\$0.075-\$0.035	Wisconsin-Minnesota Power Co.	C. Mc.
92	Private.....	(1,000)	.....	.....	.....	600	.....	.....	.....	C.
93	.....	150	125	125	.....	120	.11	.075	Little Falls Water Power Co.	C. Mc.
94	.....	300	.....	.....	.....	150	.....	.....	.....	Mc. SDC.
95	.....	.....	.....	.....	.....	.....	.....	.....	.....	O.
96	.....	.....	15,400	66,700	.....	52,500	.....	.....	.....	C. M. Mc.
97	.....	<sup>1</sup> (15,000)	.....	.....	.....	9,000	.....	.....	.....	C.
98	.....	<sup>1</sup> (10,000)	.....	.....	.....	7,000	.....	.....	.....	C.
99	.....	.....	140	120	.....	30	.....	.....	.....	Mc.
100	.....	.....	600	750	.....	550	.....	.....	Beltrami Electric Light & Power Co.	Mc.
101	.....	.....	300	200	.....	115	.....	.....	.....	Mc.
102	Private.....	.....	100	125	.....	100	\$0.12 - .03	.10 - .03	Otter Tail Power Co.	C. Mc.
103	.....	.....	.....	.....	.....	.....	.17 - .07	.10 - .04	Redwood Falls Power Co.	C. Mc.
104	.....	.....	2,500	3,330	.....	2,500	.10 - .035	.10 - .015	.....	C. M. Mc.
Total, A.....		188,495	49,000	124,560	1,597	222,102	.....	.....	.....	.....

## B.—MUNICIPAL PLANTS.

105	.....	.....	275	200	.....	125	\$0.08	\$0.08	.....	C. Mc.
106	Private.....	.....	250	225	.....	145	.10	.08	.....	C. Mc.
107	.....	.....	150	95	.....	120	.....	.....	.....	Mc.
108	Private.....	.....	90	75	43	80	.125	.125	.....	C.
109	Do.....	.....	300	300	.....	175	\$0.10 - .09	\$0.08 - .04	.....	C. Mc.
110	.....	.....	100	100	.....	250	.....	.....	.....	Mc. O.
111	.....	.....	100	100	.....	60	.....	.....	.....	Mc.
112	.....	.....	100	125	.....	75	.....	.....	.....	Mc.
113	.....	.....	70	60	.....	(35)	.....	.....	.....	Mc.
114	.....	.....	150	50	.....	50	.....	.....	.....	Mc.
115	.....	.....	400	750	.....	1,250	.....	.....	.....	Mc.
116	Private.....	.....	.....	.....	40	45	.15	.....	.....	C. Mc.
117	Do.....	.....	170	180	.....	125	.11 - .07	.08 - .05	.....	C. Mc.
118	.....	.....	250	225	.....	140	.....	.....	.....	Mc.
119	.....	.....	.....	.....	25	15	.....	.....	.....	Mc.
120	Private.....	.....	250	300	.....	180	.10	.08	.....	Mc. C.
121	.....	.....	300	270	.....	210	.....	.....	.....	Mc.
122	.....	.....	100	225	.....	40	.....	.....	.....	Mc.
123	.....	.....	.....	.....	.....	.....	.....	.....	Cuyuna Range Power Co.	Mc.
124	.....	.....	.....	.....	.....	.....	.09 - .02	.06	Otter Tail Power & Light Co.	C. Mc.
125	.....	.....	.....	.....	.....	75	.....	.....	.....	C.
126	.....	.....	.....	.....	90	55	.....	.....	.....	Mc.
127	.....	.....	300	120	.....	75	.....	.....	.....	Mc.
128	.....	.....	340	250	.....	150	.....	.....	.....	Mc.
129	Private.....	.....	140	160	.....	100	.11	.11 - .066	.....	C. Mc.
130	.....	.....	.....	.....	.....	.....	.....	.....	.....	C.
131	.....	.....	.....	.....	190	130	.....	.....	.....	Mc.
132	Private.....	.....	75	65	.....	35	.....	.....	.....	C. Mc.
133	.....	.....	250	300	.....	266	.....	.....	.....	Mc.
134	Private.....	.....	.....	.....	.....	.....	.08	.06	Red River Power Co.	C. Mc.
135	Do.....	.....	.....	65	.....	.....	.15	.10	.....	C.
136	.....	.....	250	85	.....	40	.12 - .03	.10 - .03	Otter Tail Power Co.	Mc. C.
137	.....	.....	.....	.....	50	30	.....	.....	.....	Mc.
138	.....	.....	300	100	.....	75	.....	.....	.....	C. Mc.
139	Private.....	.....	.....	.....	25	20	.12	.....	.....	C. Mc.
140	Do.....	.....	.....	.....	.....	.....	.15	.12	Crescent Milling Co.	Mc. O.
141	.....	.....	.....	.....	840	585	.....	.....	.....	C. Mc.
142	.....	.....	.....	.....	.....	.....	.....	.....	Otter Tail Power Co.	Mc. SDC.
143	.....	.....	150	225	.....	135	.....	.....	.....	Mc.
144	.....	.....	80	60	.....	40	.....	.....	.....	Mc.
145	.....	.....	250	200	.....	150	.....	.....	.....	C. Mc.
146	.....	340	.....	.....	170	300	.....	.....	.....	Mc. SDC.
147	.....	.....	.....	.....	25	15	.12	.....	.....	C. Mc.
148	.....	.....	.....	.....	75	40	.....	.....	.....	Mc.
149	.....	.....	.....	50	.....	(75)	.....	.....	.....	C.
150	.....	.....	80	60	.....	40	.08	.04	.....	Mc. O.
151	.....	.....	(600)	700	.....	600	.....	.....	.....	Mc.
152	.....	240	250	225	.....	290	.....	.....	.....	C. Mc.
153	.....	.....	275	200	.....	125	.....	.....	.....	Mc.
154	Private.....	.....	80	185	.....	75	.12	.....	.....	Mc. O.
155	.....	.....	.....	.....	.....	200	.....	.....	.....	C.

<sup>1</sup> These amounts are a duplication of the figures under Nos. 81 and 82, and are not included in totals.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MINNESOTA—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
156		GD	Lake City	Lake City	Lake City	
157		GD	Lakefield	Lakefield	Lakefield	
158		GD	Lake Park	Lake Park	Lake Park	
159		GD	Lanesboro	Lanesboro		South Fork of Root River.
160		GD	Le Sueur	Le Sueur	Le Sueur	
161		GD	Litchfield	Litchfield	Litchfield	
162		GD	Long Prairie	Long Prairie	Long Prairie	
163		GD	Luverne	Luverne	Luverne	
164		GD	Lyle	Lyle	Lyle	
165		GD	McKinley	McKinley	McKinley	
166		GD	Madison	Madison	Madison	
167		GD	Mahnomen	Mahnomen	Mahnomen	
168		GD	Mantorville	Mantorville	S. 28, T. 107 N., R. 16 W.	
169		GD	Marshall	Marshall	Marshall	
170		D	Maynard	Maynard	Maynard	
171		GD	Mazeppa	Mazeppa	Mazeppa	
172		GD	Melrose	Melrose	Melrose	
173		GD	Milaca	Milaca	Milaca	
174		GD	Moorhead	Moorhead	Moorhead	
175		GD	Nashwauk	Nashwauk	Nashwauk	
176		GD	New Prague	New Prague	New Prague	
177		GD	New Ulm	New Ulm	New Ulm	
178		D	North St. Paul	North St. Paul	North St. Paul	
179		GD	Olivia	Olivia	Olivia	
180		GD	Ortonville	Ortonville	Ortonville	
181		GD	Paynesville	Paynesville	Paynesville	
182		GD	Pelican Rapids	Pelican Rapids	Pelican Rapids	
183		GD	Perham	Perham	Perham	
184		GD	Preston	Preston	Preston	
185		GD	Princeton	Princeton	Princeton	
186		GD	Rochester	Rochester	Rochester	
187		GD	Rushford	Rushford	Rushford	
188		GD	St. Charles	St. Charles	St. Charles	
189		GD	St. James	St. James	St. James	
190		GD	St. Peters	St. Peters	St. Peters	
191		GD	Shakopee	Shakopee	Shakopee	
192		GD	Sherburn	Sherburn	Sherburn	
193		GD	Sleepy Eye	Sleepy Eye	Sleepy Eye	
194		GD	South Stillwater	South Stillwater	South Stillwater	
195		GD	Springfield	Springfield	Springfield	
196		GD	Spring Grove	Spring Grove	Spring Grove	
197		GD	Staples	Staples	Staples	
198		GD	Starbuck	Starbuck	Starbuck	
199		GD	Hospital	State hospital	St. Peters	
200		GD	Stephen	Stephen	Stephen	
201		GD	Thief River Falls	Thief River Falls		Red Lake River
202		GD	Tower	Tower		
203		GD	Tracy	Tracy	Tracy	
204		GD	Two Harbors	Two Harbors	Two Harbors	
205		GD	Tyler	Tyler	Tyler	
206		GD	Ulen	Ulen	Ulen	
207		GD	Virginia	Virginia	Virginia	
208		D	Wabash	Wabash	Wabash	
209		GD	Wadena	Wadena	Wadena	
210		GD	Walker	Walker	Walker	
211		GD	Warren	Warren	Warren	
212		GD	Warroad	Warroad	Warroad	
213		GD	Waseca	Waseca	Waseca	
214		GD	Wells	Wells	Wells	
215		GD	Willmar	Willmar	Willmar	
216		GD	Windom	Windom	Windom	
217		GD	Winthrop	Winthrop	Winthrop	
218		D	Woodlake	Woodlake	Woodlake	
219		GD	Worthington	Worthington	Worthington	

## C.—ALL OTHER PLANTS.

220	Appleton Mill Co	Mlg	Mill at Appleton	Appleton		Pomme de Terre River
221		Mlg	Mill at Northfield	Ames Mill	Northfield	Cannon River
222	Campbell, L. G., Milling Co	Mlg	Mill at Owatonna	Owatonna		Straight River
223	Cannon Falls Mill Co	Mlg	Mill at Cannon Falls	Cannon Falls		Cannon River
224	Cannon Valley Milling Co	Mlg	do	do		do
225	Chippewa Milling Co	Mlg	Mill at Montevideo	Montevideo		Chippewa River
226		Mlg	Mill at Clinton Falls	Clinton Falls Mill		Straight River
227	Cussons Milling Co	Mlg	Mill at Stewartville	Stewartville		Root River
228		Mlg	Mill at Dundas	Dundas Mill		Cannon River
229	Elk River Milling Co	Mlg	Mill at Elk River	Elk River Mill		Elk River



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MINNESOTA—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
156	Private.....		500	484		275	\$0.125	\$0.10	Wisconsin-Minnesota Light & Power Co.	C. Mc.
157			180	85		75				C. Mc.
158					85	60				Mc.
159	Private.....	189				60				Mc. O. SDC.
160			250	300		160				Mc.
161			300	260		190				C. Mc.
162			170	145		130				Mc.
163			250	150		180				Mc.
164			140	60		35	.15 - .05			C. Mc.
165			160	50		25				Mc.
166			300	250		200	.10			C. Mc.
167			125	110		78				C. Mc.
168	Private.....	40	50	50		70	.10			C. Mc.
169			450	275		210	.06	.06		C. Mc.
170									City of Granite Falls	Mc.
171						10				Mc.
172			250	125		75				Mc.
173			140	100		75				C. Mc.
174			404	1,320		1,000				C. Mc.
175			200	120		75			Wisconsin Steel Co.	Mc.
176	Private.....		220	200		115	.10 - .07	.07		C. Mc.
177			600	600		462				Mc.
178					80	60			Renville Electric Co.	Mc.
179			200	175		125				Mc.
180						80				C. Mc.
181	Private.....		175	150		120				C. Mc.
182			150	125		80				Mc.
183	Private.....		160	130			.10	.10 - .02	Root River Power & Light Co.	C. Mc.
184			250	200		240				Mc.
185			1,100	1,500		920				C. Mc.
186			100	150		85			Rushford Power Co.	Mc.
187			240	200		110				Mc.
188			180	200		145				Mc.
189			300	275		250				Mc.
190			160	125		75			Minneapolis General Electric Co.	Mc.
191	Private.....		85	65		60	.14	.10		C. Mc.
192			250	225		195				Mc.
193			125	90		60				Mc.
194			275	85		50				Mc.
195	Private.....			35		(20)	.10			C.
196	Do.....		400	200		200	.10-.05	.08-.05		C. Mc.
197					50	70	.12-.08		Glenwood Electric Light, Heat & Power Co.	C. Mc.
198			1,250	550		350				C.
199	State land.....		75	52		30				Mc.
200										
201	Private.....	400			450	500	.09	.06		Mc.O.SD
202		190	150	130		100				Mc.
203			300	195		112½				C. Mc.
204	Private.....		360	385		500	.06	.03		C. Mc.
205					65	67				Mc.
206			40	40		50				Mc.
207			600	685		885				C. Mc.
208									Wisconsin-Minnesota Light & Power Co.	C.
209			375	450		200				Mc.
210			100	125		55				C. Mc.
211			250	200		125				Mc.
212				(250)		(150)				C.
213	Private.....		200	140		75	.09-.06	.055-.04	Consumers Power Co.	C. Mc.
214			150	(410)		250	.11	.075		C. Mc.
215	Private.....		450	300		250	.10-.07	.07-.05		C. Mc.
216			100	80		60				Mc.
217			225	160		90	.10	.07		C. Mc.
218									City of Granite Falls	Mc.
219			450	600		366				C. Mc.
Total, B.....		1,399	20,389	19,896	2,303	17,561				

## C.—ALL OTHER PLANTS.

220	Private.....	150	750	350		35				C. SDC.
221		170								SDC.
222		35								SDC.
223		225								SDC.
224		200				4½				SDC.
225		220		125						SDC.
226		33								C. SDC.
227		60								SDC.
228		160								SDC.
229		150								SDC.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MINNESOTA—Continued.

## C.—ALL OTHER PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
230	Faribault Woolen Mill Co.....	Mlg.....	Mill at Faribault.....	Faribault Mills.....	S. 30, T. 110 N., R. 20 W.	Cannon River.....
231	Farmers Milling Co.....	Mlg.....	Mill at Cold Springs.....	Cold Springs Mill.....		Sauk River.....
232	Fergus Falls Manufacturing Co.....	Mlg.....	Mill at Fergus Falls.....	Fergus Falls.....		Otter Tail River.....
233		Mlg.....	do.....	Fergus Mill.....		do.....
234		Mlg.....		Fertile.....		Sand Hill River.....
235		Mlg.....		Forest City.....		North Fork Crow River.....
236		Mlg.....	Mill at Forest Mills.....	Forest Mills.....		Zumbro River.....
237				French Lake.....		North Fork Crow River.....
238				Green Lake.....		do.....
239		Mlg.....	Mill at Hagan.....	Hagan Mill.....		Chippewa River.....
240	Hansen & Baryen Milling Co.....	Mlg.....	Mill at Thief River Falls.....	Thief River Falls.....		Red Lake River.....
	Hennepin Paper Co.....					
241	(Lessor Little Falls Water Power Co.).....	L.....		Little Falls.....		Mississippi River.....
242	Itaska Paper Co.....	Mlg.....	Mill at Grand Rapids.....	Grand Rapids.....		do.....
243	Kettle River Power Co.....		Quarry at Sandstone.....	Sandstone.....		Kettle River.....
244				Kingsbury Locks.....		Pelican River.....
245				Kingston.....		North Fork Crow River.....
246		Mlg.....	Mill at Lakeview.....	Lakeview Mill.....		Pelican River.....
247		Mlg.....	Mill at Lanesboro.....	Lanesboro Mill.....		South Fork Root River.....
248		Mlg.....	Mill at Le Sauk.....	Le Sauk Mill.....		Le Sauk River.....
249		Mlg.....	Mill.....	Long Lake Mill.....		
250		Mlg.....	do.....	Maine Mill.....	S. 26 and 35, T. 134 N., R. 41 W.	Otter Tail River.....
251				Manannah.....		North Fork Crow River.....
252		Mlg.....	Mill at Mazeppa.....	Mazeppa Mill.....		Zumbro River.....
253		Mill.....	Mill at Millerville.....	Millerville.....		Chippewa River.....
254	Minneapolis & Ontario Power Co.....	Mlg.....	Mill at International Falls.....	International Falls.....	S. 27, T. 71 N., R. 24 W.	Rainey River.....
255	New London Milling Co.....	Mlg.....	Mill at New London.....	New London.....		North Fork Crow River.....
256		Mlg.....	Mill at North Redwood.....	North Redwood Mill.....		Redwood River.....
257	Northwestern Milling Co.....			Little Falls.....		Mississippi River.....
258	Northwest Paper Co.....	Mlg.....	Mill at Brainerd.....	Brainerd.....		do.....
259	Do.....	Mlg.....	Mill at Cloquet.....	Cloquet (upper).....		St. Louis River.....
260	Do.....	Mlg.....	do.....	Cloquet (lower).....		do.....
261		Mlg.....	Mill at Chatfield.....	Orion Mill.....		Root River.....
262		Mlg.....	Mill at Oronoco.....	Oronoco Mill.....		North branch Zumbro River.....
263		Mlg.....	Mill at Osage.....	Osage Mill.....		Straight River.....
264		Mlg.....	Mill at Austin.....	Peerless Mill.....		Cedar River.....
265	Pelican River Mill Co.....	Mlg.....	Mill at Elizabeth.....	Elizabeth.....	S. 32, T. 134 N., R. 43 W.	Pelican River.....
266	Pillsbury Milling Co.....	Mlg.....	Mill at Anoka.....	Lincoln Mill.....		Rum River.....
267		Mlg.....	Mill at Preston.....	Preston Mill.....		South Fork Root River.....
268				Ramsey.....		Cedar River.....
269		Mill.....	Mill at Austin.....	Red Cedar Mill.....		do.....
270	Red River Milling Co.....	Mlg.....	Mill at Fergus Falls.....	Fergus Falls.....		Otter Tail River.....
271		Mlg.....	Mill at Richwood.....	Richwood Mill.....		Buffalo River.....
272	Rochester Milling Co.....	Mlg.....	Mill at Rochester.....	Rochester.....		South branch Zumbro River.....
273	Do.....	Mlg.....	do.....	Zumbro.....		do.....
274		Mlg.....	Mill at Rockford.....	Rockford Mill.....		Crow River.....
275	Saenger.....	Mill.....	Sawmill at Hanover.....	Saenger's Sawmill.....		do.....
276	St. Francis Milling Co.....	Mlg.....	Mill at St. Francis.....	St. Francis.....		Rum River.....
277	Sheffield King Manufacturing Co.....	Mlg.....	Mill at Cannon Lake.....	Cannon Lake.....		Cannon River.....
278		Mlg.....	Mill.....	Simpson Mill.....		Root River.....
279		Mlg.....	Mill at Spencer Brook.....	Spencer Brook Mill.....		Spencer Brook.....
280		Mlg.....	Mill at Spruce Hill.....	Spruce Hill Mill.....		Belle River.....
281		Mlg.....	Mill at Sunrise.....	Sunrise Mill.....		Sunrise River.....
282		Mlg.....	Mill at Swift Falls.....	Swift Falls Mill.....		East branch Chippewa River.....
283		Mlg.....	Mill at Terrace.....	Terrace Mill.....		do.....
284				Terrebonne.....		Red Lake River.....
285	Teleson, Geo.....	Mlg.....	Mill at St. Cloud.....	St. Cloud.....		Mississippi River.....
286		Mill.....	Mill.....	Two Inlets Mill.....		Two Inlets River.....
287		Mlg.....	do.....	Verndale Mill.....		Wing River.....
288	Watah Pulp & Paper Co.....			Sartell.....		Mississippi River.....

## MISSISSIPPI.

## A.—PUBLIC UTILITY PLANTS.

1	Alcorn Electric Light Co.....	GD.....	Alcorn.....	Alcorn.....	Alcorn.....	
	American Public Utilities Co.....	H.....				
2	Jackson Light & Traction Co.....	GTD.....	Jackson.....	Jackson.....	Jackson.....	
3	Bay St. Louis Ice, Light & Bottling Works.....	GD.....	Bay St. Louis and Waveland.....	Bay St. Louis.....	Bay St. Louis.....	
4	Booneville Light & Water Co.....	GD.....	Booneville.....	Booneville.....	Booneville.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MINNESOTA—Continued.

## C.—ALL OTHER PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from	Source of information.
230	Private.....	124	140	52					H. M. Matterson.....	C. SDC.
231		155								C. SDC.
232		80				Water				C. SDC.
233		100				plant.				C. SDC.
234		50								C. SDC.
235		50								C. SDC.
236		50								C. SDC.
237		50								C. SDC.
238		75				do.				C. SDC.
239		45								C. SDC.
240		129								SDC.
241	Private.....	2,000		250		do.				C. SDC.
242	Do.....	3,500	1,000	950		625				C. O. SDC.
243		300				Water				SDC.
244		65				plant.				SDC.
245		50				do.				SDC.
246		50				Water				SDC.
247		158				plant.				C. SDC.
248		100		100		140				SDC.
249		75				Water				SDC.
250		131				plant.				SDC.
251		50								SDC.
252		84		50		Water				SDC.
253		50				plant.				SDC.
254		12,500		10,000		7,500				C. Mc. SDC.
255		160				Water				SDC.
256		50				plant.				SDC.
257		300								C. SDC.
258		805				do.				O. SDC.
259		1,336								O. SDC.
260		6,336								O. SDC.
261		70								SDC.
262		150								SDC.
263		50				do.				SDC.
264		70		75						SDC.
265		100		85						C. SDC.
266		450				do.				SDC.
267		40								SDC.
268		125								SDC.
269		230				300				SDC.
270		40				Water				SDC.
271		20				plant.				SDC.
272						do.				SDC.
273		80								SDC.
274		35								SDC.
275		87		30						SDC.
276		125				do.				SDC.
277		400		1,200		22				SDC.
278		50				Water				SDC.
279		20				plant.				SDC.
280		50								SDC.
281		80								SDC.
282		61								SDC.
283		40				do.				SDC.
284		80								SDC.
285		350								C. SDC.
286		40				do.				SDC.
287		60								SDC.
288		6,000		1,600		2,700				C. O. SDC.
Total, C.....		39,364	1,890	14,867		11,326				
Grand totals.....		229,258	71,279	159,323	3,900	250,989				

## MISSISSIPPI.

## A.—PUBLIC UTILITY PLANTS.

1			550	550		500				Mc.
2			1,559	4,000		3,550	\$0.10 - \$0.05	\$0.075 - \$0.015		Mc. M.
3	Private.....		200	250		150	.11 - .12	.10 - .05		Mc. M. C.
4					100	100				Mc. C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
MISSISSIPPI—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
5	Capitol Light & Power Co.....	GD.....	Jackson.....	Jackson.....	Jackson.....	.....
6	Columbia Ice & Power Co.....	GD.....	Columbia.....	Columbia.....	Columbia.....	.....
7	Columbus Railway, Light & Power Co.....	GTD.....	Columbus.....	Columbus.....	Columbus.....	.....
8	Converse, H. (Lessor, city of Crystal Springs).....	L.....	Crystal Springs.....	Crystal Springs.....	Crystal Springs.....	.....
9	Corinth Electric Light & Power Co.....	GD.....	Corinth.....	Corinth.....	Corinth.....	.....
10	Delta Light & Traction Co.....	GTD.....	Greenville and Lake, Ark.....	Greenville.....	Greenville.....	.....
11	Doherty Operating Co.....	M.....	.....	.....	.....	.....
12	Hattiesburg Traction Co.....	GTD.....	Hattiesburg.....	Hattiesburg.....	Hattiesburg.....	.....
12	Meridian Light & Railway Co.....	.....	Meridian.....	Meridian.....	Meridian.....	.....
13	Electric Light & Manufacturing Co.....	GD.....	Prentiss.....	Prentiss.....	Prentiss.....	.....
14	Gulfport & Mississippi Coast Traction Co.....	GTD.....	Gulfport.....	Gulfport.....	Gulfport.....	.....
15	Home Light & Ice Co.....	GD.....	Cleveland.....	Cleveland.....	Cleveland.....	.....
16	Itta Bena Cotton Oil Co.....	GD.....	Itta Bena.....	Itta Bena.....	Itta Bena.....	.....
17	Laurel Light & Railway Co.....	GTD.....	Laurel and Ellisville.....	Laurel.....	Laurel.....	.....
18	Lexington Compress & Oil Mill Co.....	GD.....	Lexington.....	Lexington.....	Lexington.....	.....
19	Lucedale Light & Power Co.....	D.....	Lucedale.....	Lucedale.....	Lucedale.....	.....
20	McComb City Electric Light & Power Co.....	GD.....	McComb and Summit.....	McComb.....	McComb.....	.....
21	Magnolia Electric Light Co.....	GD.....	Magnolia.....	Magnolia.....	Magnolia.....	.....
22	Mississippi Lumber Co.....	GD.....	Quitman.....	Quitman.....	Quitman.....	.....
23	Panola Electric Light & Power Co.....	GD.....	Sardis, Batesville, and Como.....	Sardis.....	Sardis.....	.....
24	Pascagoula Street Railway & Power Co.....	GTD.....	Pascagoula and Moss Point.....	Pascagoula.....	Pascagoula.....	.....
25	Philadelphia Electric Co.....	D.....	Philadelphia.....	Philadelphia.....	Philadelphia.....	.....
26	Planters Oil Mill & Gin Co.....	GD.....	Kosciusko.....	Kosciusko.....	Kosciusko.....	.....
27	Planters Oil Mill.....	GD.....	Tunica.....	Tunica.....	Tunica.....	.....
28	Pontotoc Electric Light & Power Co.....	GD.....	Pontotoc.....	Pontotoc.....	Pontotoc.....	.....
29	Richton Lumber Co.....	H.....	.....	.....	.....	.....
29	Richton Light & Power Co.....	GD.....	Richton.....	Richton.....	Richton.....	.....
30	Sexton, J. C., & J. M.....	GD.....	Indianola.....	Indianola.....	Indianola.....	.....
31	Tylertown Light & Power Co.....	GD.....	Tylertown.....	Tylertown.....	Tylertown.....	.....
32	United Utilities Co.....	H.....	.....	.....	.....	.....
32	Southern Railway & Light Co.....	GTD.....	Natchez.....	Natchez.....	Natchez.....	.....
33	Vicksburg Light & Traction Co.....	GTD.....	Vicksburg.....	Vicksburg.....	Vicksburg.....	.....
34	Wells Lumber Co.....	GD.....	Lumberton.....	Lumberton.....	Lumberton.....	.....
35	Wiggins Electric Light Co.....	GD.....	Wiggins.....	Wiggins.....	Wiggins.....	.....
36	Winona Water, Sewerage, Ice & Light Co.....	GD.....	Winona.....	Winona.....	Winona.....	.....

## B.—MUNICIPAL PLANTS.

37	GD.....	Aberdeen.....	Aberdeen.....	Aberdeen.....	.....
38	GD.....	Ackerman.....	Ackerman.....	Ackerman.....	.....
39	GD.....	Amory.....	Amory.....	Amory.....	.....
40	GD.....	Belzoni.....	Belzoni.....	Belzoni.....	.....
41	GD.....	Bolton.....	Bolton.....	Bolton.....	.....
42	GD.....	Brookhaven.....	Brookhaven.....	Brookhaven.....	.....
43	GD.....	Byhalia.....	Byhalia.....	Byhalia.....	.....
44	GD.....	Canton.....	Canton.....	Canton.....	.....
45	GD.....	Carrollton, and North and South Carrollton.....	Carrollton.....	Carrollton.....	.....
46	D.....	Charleston.....	Charleston.....	Charleston.....	.....
47	GD.....	Clarksdale and Lyon.....	Clarksdale.....	Clarksdale.....	.....
48	GD.....	Clinton.....	Clinton.....	Clinton.....	.....
49	GD.....	Collins.....	Collins.....	Collins.....	.....
50	GD.....	Durant.....	Durant.....	Durant.....	.....
51	GD.....	Fayette.....	Fayette.....	Fayette.....	.....
52	GD.....	Friar Point.....	Friar Point.....	Friar Point.....	.....
53	GD.....	Gloster.....	Gloster.....	Gloster.....	.....
54	GD.....	Greenwood and North Greenwood.....	Greenwood.....	Greenwood.....	.....
55	GD.....	Grenada.....	Grenada.....	Grenada.....	.....
56	GD.....	Hazelhurst.....	Hazelhurst.....	Hazelhurst.....	.....
57	GD.....	Hollendale.....	Hollendale.....	Hollendale.....	.....
58	GD.....	Holly Springs.....	Holly Springs.....	Holly Springs.....	.....
59	GD.....	Houston.....	Houston.....	Houston.....	.....
60	GD.....	Leland.....	Leland.....	Leland.....	.....
61	GD.....	Macon.....	Macon.....	Macon.....	.....
62	D.....	Mount Olive.....	Mount Olive.....	Mount Olive.....	.....
63	GD.....	New Albany.....	New Albany.....	New Albany.....	.....
64	GD.....	Okolona.....	Okolona.....	Okolona.....	.....
65	GD.....	Osyka.....	Osyka.....	Osyka.....	.....
66	GD.....	Poplarville.....	Poplarville.....	Poplarville.....	.....
67	GD.....	Port Gibson.....	Port Gibson.....	Port Gibson.....	.....
68	GD.....	Rosedale.....	Rosedale.....	Rosedale.....	.....
69	GD.....	Ruleville.....	Ruleville.....	Ruleville.....	.....
70	GD.....	Senatobia.....	Senatobia.....	Senatobia.....	.....
71	GD.....	Shaw.....	Shaw.....	Shaw.....	.....
72	GD.....	Starkville.....	Starkville.....	Starkville.....	.....
73	GD.....	Tupelo.....	Tupelo.....	Tupelo.....	.....
74	GD.....	University of Oxford.....	.....	.....	.....
75	L.....	(Lessor, city of Oxford).....	Oxford.....	Oxford.....	Oxford.....
75	GD.....	Water Valley.....	Water Valley.....	Water Valley.....	.....
76	GD.....	West Point.....	West Point.....	West Point.....	.....
77	GD.....	Woodville.....	Woodville.....	Woodville.....	.....
78	GD.....	Yazoo City.....	Yazoo City.....	Yazoo City.....	.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MISSISSIPPI—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
5			450	800		632				C.
6			240	200		137½				Mc.
7	Private		900	1,000		975	\$0.12 - \$0.07	\$0.10 - \$0.03		Mc. M. C.
8			190	175		70				Mc.
9			450	450		210				Mc.
10			1,200	1,730		1,270				Mc. M. C.
11	Private		900	2,075		2,075	.14 - .066	.09 - .02		Mc. M.
12	Do.		2,250	5,220		6,400	.12 - .04	.06 - .013		Mc. M. C.
13	Do.		80	40		75				Mc. M. C.
14	Do.		2,000	6,000		4,000	.15 - .06	.06 - .02		C.
15			150	165		100	.15 - .10			Mc. C.
16			160	100		85				C.
17			1,200	2,130		2,200				Mc.
18	Private		200	125		90	.15			Mc.
19							.15		Kansas City Lumber Co.	Mc. C.
20			800	1,400		1,075				C.
21	Private		250	250		125	.20 - .10			Mc.
22	Do.		408	60		45				Mc. C.
23			200	150		120				C.
24			600	500		375	.15 - .075	.06 - .03		Mc.
25										Mc. C.
26	Government		300	350		270	.125 - .08			Mc.
27			(40)	40		35				Mc. C.
28	Private		60	100		30	.15 - .09	.10 - .06		Mc.
29			160	80		50				Mc. C.
30			250	175		155				Mc.
31			150	40		75				Mc.
32			800	1,100		1,800				Mc. M.
33			1,500	1,650		1,875				Mc. M.
34			(120)	150		120				Mc. M.
35				375		150	.15			Mc.
36	Private		450	350		210	.15 - .10			Mc. C.
Total			18,767	31,780	100	30,129				Mc. C.

## B.—MUNICIPAL PLANTS.

37	Private		300	400		330				Mc. C.
38			100	80		50	\$0.20			Mc. C.
39			185	260		150				Mc.
40	Private		200	200		125	.10	\$0.05-\$0.03		Mc. C.
41			150	93		50				Mc.
42			400	450		300	.15- .09	.01- .02		Mc. C.
43			75	55		30				Mc.
44	Private		564	525		310	.10- .08	.10- .08		Mc. C.
45	Do.		125	95		62½	.15- .125			Mc. C.
46	Do.		80	(60)		(35)	.15- .12			Mc. C.
47			600	900		650	.12- .05	.07- .03		Mc. C.
48			225	200		185				Mc. C.
49			200	155		150	.10- .10			Mc. C.
50	Private		250	250		185				Mc. C.
51			80	35		25				Mc.
52			100	70		60				Mc.
53			225	105		60				Mc.
54			938	1,540	80	1,150	.12- .06	.06- .02		Mc. C.
55			150	150		200				Mc. C.
56			200	150		200	.10			Mc. C.
57	Private		100	40		45				Mc. C.
58			275	315		210				Mc.
59			120	120		60				Mc.
60			225	(110)		65				Mc.
61			250	275		200				Mc.
62										Mc.
63			275	275		190	.12- .08			Mc. C.
64	Private		160	300		191	.10			Mc. C.
65			175	50		50				Mc.
66			200	175		75				Mc. C.
67			285	200		155				Mc. C.
68	Private		200	60		60	.15			C.
69			125	80		48				Mc.
70			200	100		60				Mc.
71	Private				70	90	.10			Mc. C.
72			340	360		195				Mc.
73			400	700		500				Mc. C.
74			450	200		100				Mc.
75			300	350		225				Mc.
76			250	300		210	.15- .04			Mc. C.
77			200	90		60				Mc.
78	Private		450	600		450	.16- .09	.08- .04		Mc. C.
Total, B.			10,127	10,473	150	7,546				
Grand total.			28,894	42,253	250	37,675				



TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MISSOURI.

## A.—PUBLIC UTILITY PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	Adrian Electric Light & Power Co.	GD	Adrian	Adrian	Adrian	
2	Ash Grove Milling & Electric Co.	GD	Ash Grove	Ash Grove	Ash Grove	
3	Belton Electric Light Co.	D	Belton	Belton	Belton	
4	Billings Light, Power & Water Co.	GD	Billings	Billings	Billings	
5	Blackwater Electric Light Co.	D	Blackwater	Blackwater	Blackwater	
6	Bland Electric Light & Power Co.	GD	Bland	Bland	Bland	
7	Bloomfield Electric Light, Heat, Power & Water Co.	GD	Bloomfield	Bloomfield	Bloomfield	
8	Bonner, James A.	GD	Polk and Dallas Counties	Buffalo	Buffalo	
9	Booneville Electric Light & Power Co.	GD	Booneville	Booneville	Booneville	
10	Braymer Light & Fuel Co.	GD	Braymer	Braymer	Braymer	
11	Brookfield Electric Light Co.	GTD	Linn County	Brookfield	Brookfield	
12	Brunswick Light & Water Co.	GD	Brunswick	Brunswick	Brunswick	
13	Bucklin Light Co.	GD	Bucklin	Bucklin	Bucklin	
14	California Electric Light & Power Co.	GD	California	California	California	
15	Campbell Mill & Light Co.	GD	Campbell	Campbell	Campbell	
16	Caruthersville Ice & Light Co.	GD	Caruthersville	Caruthersville	Caruthersville	
17	Cassville Milling & Power Co.	GD	Cassville	Cassville	Cassville	
18	Cassville & Western Ry. Co.	GD	Cassville and Exeter	do	do	
19	Citizens Electric Light Co.	GD	Higbee	Higbee	Higbee	
20	Clark Electric Co.	GD	Clark	Clark	Clark	
21	Concordia Electric Co.	GD	Concordia	Concordia	Concordia	
22	Consumers Electric Light & Power Co.	GD	De Soto and vicinity	De Soto	De Soto	
23	Dameson, C. H., Electric Light Plant.	GD	Huntsville	Huntsville	Huntsville	
24	Day, H. B., Light, Heat & Power Plant.	GD	New Madrid	New Madrid	New Madrid	
25	De Kalb Electric Co.	GD	Maysville	Maysville	Maysville	
26	Doherty Operating Co.	M				
27	City Light & Traction Co.	GTD	Sedalia	Sedalia	Sedalia	
28	Empire District Electric Co.	GTD	Jasper County	Forest Mills		
29	do		do	Grand Falls		
30	Neosho Electric Light Co.	GD	Neosho	Neosho	Neosho	
31	Ozark Power & Water Co.	GTD	Joplin and Springfield	Branson		White River
32	St. Joseph Railway, Light, Heat & Power Co.	GTD	St. Joseph	St. Joseph	St. Joseph	
33	Edgerton Light & Power Co.	D	Edgerton	Edgerton	Edgerton	
34	Edina Light Co.	GD	Edina	Edina	Edina	
35	Eldon Electric Light Co.	GD	Eldon	Eldon	Eldon	
36	Ewing & Childers	GD	Grant City	Grant City	Grant City	
37	Excelsior Springs Water, Gas & Electric Co.	GD	Excelsior Springs and vicinity	Excelsior Springs	Excelsior Springs	
38	Fairfax Light, Heat & Power Co.	D	Fairfax	Fairfax	Fairfax	
39	Fayette Light, Ice & Coal Co.	GD	Fayette	Fayette	Fayette	
40	Federal Light & Traction Co.	H				
41	Springfield Gas & Electric Co.	GD	Springfield	Springfield	Springfield	
42	Fredericktown Ice, Light & Power Co.	GD	Fredericktown	Fredericktown	Fredericktown	
43	Gilliam Electric Light & Power Co.	GD	Gilliam	Gilliam	Gilliam	
44	Greenfield Electric Light & Power Co.	GD	Greenfield	Greenfield	Greenfield	
45	Hamilton Electric Light Co.	GD	Hamilton	Hamilton	Hamilton	
46	Hawks, E. L., Roller Mills.	GD	Puxico	Puxico	Puxico	
47	Hermann Electric Light Co.	GD	Hermann	Hermann	Hermann	
48	Home Light & Water Co.	GD	Ste. Genevieve and St. Marys	Ste. Genevieve	Ste. Genevieve	
49	Houston Electric Light & Power Co.	D	Houston	Houston	Houston	Piney River.
50	Iberia Mill & Electric Light Co.	GD	Iberia	Iberia	Iberia	
51	Ice & Electric Co.	GD	Kennett	Kennett	Kennett	
52	Illinois Traction Co.	H				
53	Jefferson City Light, Heat & Power Co.	GD	Jefferson City	Jefferson City	Jefferson City	
54	Intelman & Sterrett	GD	Cole Camp	Cole Camp	Cole Camp	
55	Interstate Electric Corporation	H				
56	Peoples Gas & Electric Co.	GD	Chillicothe	Chillicothe	Chillicothe	
57	Trenton Gas & Electric Co. of Missouri	GD	Trenton	Trenton	Trenton	
58	Kansas City Railway & Light Co.	H				
59	Kansas City Electric Light Co.	GTD	Points in Kansas	Kansas City	Kansas City	
60	do		do	Missouri River	do	
61	Kearney Electric Light Co.	D	Kearney	Kearney	Kearney	
62	Keep & Crisman Electric Light Plant	D	Vienna	Vienna	Vienna	
63	Keystone Hotel Co.		(City of Joplin)	Joplin		
64	King City Electric & Manufacturing Co.	GD	King City	King City	King City	
65	Kirkville Light, Power & Ice Co.	GD	Kirkville	Kirkville	Kirkville	
66	Laclede Electric Light Co.	D	Laclede	Laclede	Laclede	
67	Laclede Gas Light Co. (The)	GD	St. Louis	St. Louis	St. Louis	
68	La Plata Light, Heat & Ice Co.	GD	La Plata	La Plata	La Plata	
69	Lathrop Light, Heat & Power Co.	D	Lathrop	Lathrop	Lathrop	
70	Lawrence Co. Water, Light & Cold Storage Co.	GD	Lawrence County	Aurora	Aurora	
71	Lewistown Mill & Electric Light Co.	GD	Lewistown	Lewistown	Lewistown	
72	Liberal Light Co.	GD	Liberal	Liberal	Liberal	
73	Liberty Electric Light & Power Co.	GD	Liberty	Liberty	Liberty	
74	Light & Development Co. of St. Louis (The)	H				
75	Cupples Station Light, Heat & Power Co.		St. Louis			
76	Missouri Public Utilities Co.	GD	Cape Girardeau and Scott Counties	Cape Girardeau	Cape Girardeau	
77	do	GD	Charleston	Charleston	Charleston	
78	do	GD	Dexter	Dexter	Dexter	
79	do	GD	Poplar Bluff	Poplar Bluff	Poplar Bluff	
80	do	GD	Sikeston	Sikeston	Sikeston	
81	(Lessor, Cape Girardeau and Jackson Inter-urban Ry. Co.)	GD	Cape Girardeau	Cape Girardeau	Cape Girardeau	
82	St. Charles Electric Light & Power Co.	GD	St. Charles	St. Charles	St. Charles	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MISSOURI.

## A.—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
1	Private.....		70	60		30	\$0.15 - \$0.10			Mc. C.
2			125	125	80	75				Mc.
3										Mc.
4			120	75		60				Mc.
5										Mc.
6					20	15				Mc.
7	Private.....		100	187		145	.16 - .15			Mc. C.
8	Do.....		160	160		50	.15			C.
9			200	200		185				Mc.
10	Private.....		125	165		75	.125	\$0.125		Mc. C.
11	Do.....		600	700		475	.15			M. Mc. C.
12	Do.....		300	215		130	.12 - .08	\$0.10 - .05		Mc. C.
13	Do.....				35	20	.15	.10 - .07	Marceline.....	Mc. C.
14	Do.....		150	175		185	.15 - .075	.075 - .03		Mc. C.
15			160	250		160				Mc.
16			390	390		175				Mc.
17			100	150		300				Mc.
18			300	258		300				M. Mc.
19			100	80		60				Mc.
20	Private.....				35	20	.12			Mc. C.
21	Do.....				60	42½	.15			C.
22	Do.....		150	280		150	.15 - .08			M. Mc. C.
23			160	230		150				Mc.
24			120	140		85				Mc.
25			125	125		75				Mc.
26	Private.....		1,557	1,600		1,200	.10 - .08	.05 - .025		M. Mc. C.
27		400			150	200				Mc. M.
28			8,315	36,225	1,600	24,750	.10	.05	Ozark Power & Water Co.....	O. Mc. M.
29					133	200	.10 - .05	.015	do.....	Mc. C.
30		20,000				11,250				M. Mc. O.
31			5,520	10,130		7,600				M. Mc.
32									Smithville Electric Light Plant.	Mc.
33			200	200		150				Mc.
34	Private.....		125	100		75	.15 - .10			C.
35	Do.....				120	50	.15 - .10			Mc. C.
36	Do.....		550	950		775	.115 - .0325	.07 - .03		M. Mc. C.
37									Tarkio Electric Light & Water Co.	Mc.
38	Private.....		300	500		250	.10	.07 - .03		Mc. C.
39	Do.....		2,290	4,040		3,150	.10 - .035	.032 - .01	Ozark Power & Water Co.....	M. Mc. C.
40			200	170		100				Mc.
41	Private.....				25	15	.15			Mc. C.
42	Do.....		125	215		100	.125 - .10			Mc. C.
43			250	100		40				Mc.
44			100	100		50				Mc.
45			200	165		163				Mc.
46	Private.....		275	125		100	.12 - .10	.12 - .04		Mc. C.
47		90				100				Mc. C.
48										Mc.
49			500	350		225				Mc.
50	Private.....		920	1,170		1,150	.10 - .07	.072 - .0275		M. Mc.
51			100	75	11	50	.15	.05		M. Mc. C.
52			250	365		280	.08 - .05	.05		C.
53			450	875		550	.13	.04		M. Mc.
54			3,000	5,000		3,000				
55			27,000	48,300		53,500				Mc.
56								.12	Excelsior Springs, Water, Gas & Electric Co.	Mc. C.
57										Mc.
58					125	85				C.
59						365	.11 - .04	.10 - .04		Mc. C.
60	Private.....		500	700			.18 - .13		Brookfield Electric Light Co.....	Mc. C.
61						8,000				M. Mc. O. C.
62			4,000	10,000		20				Mc.
63			200	175			.125		Plattsburg Light & Power Co.....	C.
64	Private.....		400	300		225	.12 - .08	.025		M. Mc. C.
65	Do.....									
66					60	40				Mc. C.
67					45	42½	.10			Mc. C.
68			400	400		300				Mc.
69										M. Mc.
70			750	3,000		2,675	.11 - .03	.10 - .015		Mc. C.
71			225	225		300				Mc.
72			160	285		135				Mc.
73			500	400		1,500				Mc.
74			250	600		390				Mc.
75			300	300		200				Mc.
76			500	300		200	.11 - .03	.06 - .03		Mc. C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MISSOURI—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
77	Linn Creek Light & Power Co.....	GD.....	Linn Creek.....	Linn Creek.....	Linn Creek.....	
78	Linn Electric Light Co.....	GD.....	Linn.....	Linn.....	Linn.....	
79	Louisiana Light, Power & Traction Co.....	GD.....	Louisiana and Bowling Green.	Louisiana.....	Louisiana.....	
	McCaskey & Co.....	M.....				
80	Iron County Electric Light & Power Co.....	GD.....	Iron and Cole Counties.....	Ironton.....	Ironton.....	
81	Pike County Electric Light & Power Co.....	D.....	Bowling Green.....	Bowling Green.....	Bowling Green.....	
82	McMullin Light & Power Plant.....	GD.....	Parma.....	Parma.....	Parma.....	
83	Maitland Electric Light & Power Co.....	GD.....	Maitland.....	Maitland.....	Maitland.....	
84	Marshfield Electric Co.....	GD.....	Marshfield.....	Marshfield.....	Marshfield.....	
85	Maryville Electric Light & Power Co.....	GD.....	Maryville and Pickering.....	Maryville.....	Maryville.....	
86	Memphis Electric Light, Heat & Power Co.....	GD.....	Memphis.....	Memphis.....	Memphis.....	
87	Merchants Light & Power Co.....	GD.....	Novinger.....	Novinger.....	Novinger.....	
88	Mexico Power Co.....	GD.....	Mexico and Centralia.....	Mexico.....	Mexico.....	
	Middle West Utilities Co.....	H.....				
89	Lexington Gas & Electric Co.....	GD.....	Lexington.....	Lexington.....	Lexington.....	
90	Missouri Gas & Electric Service Co.....	GD.....	El Dorado Springs.....	El Dorado Springs.....	El Dorado Springs.....	
91	Do.....	GD.....	Lexington.....	Lexington.....	Lexington.....	
92	Do.....	GD.....	Liberty.....	Liberty.....	Liberty.....	
93	Do.....	GD.....	Marshall.....	Marshall.....	Marshall.....	
94	Do.....	GD.....	Orrick.....	Orrick.....	Orrick.....	
95	Do.....	GD.....	Richmond.....	Richmond.....	Richmond.....	
96	Missouri Electric, Gas & Water Co.....	D.....	Cainsville.....	Cainsville.....	Cainsville.....	
97	Montgomery Ice & Electric Co.....	GD.....	Montgomery City.....	Montgomery City.....	Montgomery City.....	
98	Mound City Electric Light & Ice Co.....	GD.....	Holt County.....	Mound City.....	Mound City.....	
99	Mountain Grove Ice & Electric Co.....	GD.....	Mountain Grove.....	Mountain Grove.....	Mountain Grove.....	
	National Light & Power Co.....	H.....				
100	Perry County Public Utilities Co.....	GD.....	Perryville and vicinity.....	Perryville.....	Perryville.....	
101	New London Electric & Ice Co.....	GD.....	New London.....	New London.....	New London.....	
102	Norborne Fuel, Ice & Light Co.....	GD.....	Norborne.....	Norborne.....	Norborne.....	
	North American Co.....	H.....				
103	American Light & Power Co.....		St. Charles.....	St. Charles.....	St. Charles.....	
104	Electric Co. of Missouri.....	GD.....	St. Louis and Franklin Counties.	Pacific.....	Pacific.....	
105	Do.....	GD.....	Union.....	Union.....	Union.....	
106	Do.....	GD.....	Washington.....	Washington.....	Washington.....	
107	Union Electric Light & Power Co.....	GTD.....	St. Louis.....	St. Louis.....	St. Louis.....	
108	(Lessor, Neighborhood Light, Power & Heat Co.)	L.....		do.....		
109	North Kansas City Light, Heat & Power Co.....	D.....	North Kansas.....	North Kansas.....	North Kansas.....	
110	North Missouri Light & Power Co.....	D.....	New London, Frankford, and Perry Center.			
	Ohio & Western Utilities Co.: Fort Scott & Nevada Light, Heat, Water & Power Co.	GTD.....	Vernon County, Fort Scott, and Kansas.	Nevada.....	Nevada.....	
112	Osceola Light & Water Co.....	GD.....	Osceola.....	Osceola.....	Osceola.....	
113	Owensville Electric Light Co.....	GD.....	Owensville.....	Owensville.....	Owensville.....	
114	Platte City Electric Light & Power Co.....	GD.....	Platte City.....	Platte City.....	Platte City.....	
115	Plattsburg Light & Power Co.....	GD.....	Plattsburg & Lathrop.....	Plattsburg.....	Plattsburg.....	
	Public Service Audit Co.....	H.....				
116	Moberly Light & Power Co.....	GD.....	Moberly.....	Moberly.....	Moberly.....	
117	Republic Electric Lighting Co.....	GD.....	Republic.....	Republic.....	Republic.....	
118	St. James Ice & Power Co.....	GD.....	St. James.....	St. James.....	St. James.....	
119	Salem Light & Power Co.....	GD.....	Salem.....	Salem.....	Salem.....	
120	Savannah Electric Light & Power Co.....	D.....	Savannah.....	Savannah.....	Savannah.....	
121	Scott Co. Milling Co.....	GD.....	Oran.....	Oran.....	Oran.....	
122	Smithville Electric Light Co.....	GD.....	Smithville.....	Smithville.....	Smithville.....	
123	Stanberry Light & Power Co.....	GD.....	Stanberry.....	Stanberry.....	Stanberry.....	
124	Stover Mill Electric Light Plant.....	GD.....	Stover.....	Stover.....	Stover.....	
125	Tarkio Electric & Water Co.....	GD.....	Atchison County.....	Tarkio.....	Tarkio.....	
126	Valley Park Electric Co.....	D.....	Valley Park.....	Valley Park.....	Valley Park.....	
127	Vandalia Electric Light Co.....	GD.....	Vandalia.....	Vandalia.....	Vandalia.....	
128	Warrensburg Light & Power Co.....	GD.....	Warrensburg.....	Warrensburg.....	Warrensburg.....	
129	Warrenton Electric Light & Power Co.....	GD.....	Warrenton and Truesdail.....	Warrenton.....	Warrenton.....	
130	Water, Light & Transit Co.....	GD.....	Carrollton and South Carrollton.	Carrollton.....	Carrollton.....	
131	Water Power Light Co.....	GD.....	Ozark.....	Ozark.....	S. 22, T. 127 N., R. 21 W.	Finley River.....
132	Wellsville Light, Power, & Water Co.....	GD.....	Wellsville.....	Wellsville.....	Wellsville.....	
133	West St. Louis Water & Light Co.....	GD.....	St. Louis County.....	Hine.....	Hine.....	
134	Willow Springs Light, Power & Manufacturing Co.....	GD.....	Willow Springs.....	Willow Springs.....	Willow Springs.....	
135	Windsor Light, Water, Heat & Power Co.....	GD.....	Windsor.....	Windsor.....	Windsor.....	

## B.—MUNICIPAL PLANTS.

136	GD.....	Albany.....	Albany.....	Albany.....	Albany.....	
137	GD.....	Appleton City.....	Appleton City.....	Appleton City.....	Appleton City.....	
138	GD.....	Bethany.....	Bethany.....	Bethany.....	Bethany.....	
139	GD.....	Bolivar.....	Bolivar.....	Bolivar.....	Bolivar.....	
140	GD.....	Breckenridge.....	Breckenridge.....	Breckenridge.....	Breckenridge.....	
141	GD.....	Burlington Junction.....	Burlington Junction.....	Burlington Junction.....	Burlington Junction.....	
142	GD.....	Butler.....	Butler.....	Butler.....	Butler.....	
143	GD.....	Cameron.....	Cameron.....	Cameron.....	Cameron.....	
144	GD.....	Canton.....	Canton.....	Canton.....	Canton.....	
145	GD.....	Carthage.....	Carthage.....	Carthage.....	Carthage.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MISSOURI—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
77	Private.....				100	55				Mc.
78	Private.....			50		40				C.
79	Private.....		375	440		490	08.10	\$0.06- .03		Mc.
80					110	75				Mc.
81									Louisiana Light, Power & Traction Co.	M. Mc.
82	Private.....		80	50		25	.15			Mc. C.
83					65	50				Mc.
84			225	80		50	.15- .125			Mc. C.
85	Private.....		500	520	120	350	.15- .075	.10- .035		Mc. C.
86			230	150		110				Mc.
87	Private.....		150	75		45	.125			Mc. C.
88			1,000	800		430	.10- .05			Mc. C.
89			400	450		300				M. Mc.
90			125	150		75				Mc.
91	Private.....		550	650		537	.12	.05- .025		Mc. C.
92			345	325		250	.10	.06		Mc. C.
93	Private.....		450	805		680	.10- .05	.08- .007		Mc. C.
94	Do.....				50	32	.15			Mc. C.
95	Do.....		425	375		250	.14- .07	.05- .0375		Mc. C.
96									Grand River Coal & Coke Co.	Mc.
97			180	185		82	.12			Mc. C.
98			200	200		200				Mc.
99			340	135		90	.125	.075- .05		Mc. C.
100			125	130		75				M. Mc.
101			100	40		25				Mc.
102			170	170		75				Mc.
103	Private.....		300	150		125	.11- .03	.06- .03	Electric Co. of Missouri.....	M. C.
104						50			Mississippi River Power Co.	M. Mc.
105			80	75		50				Mc.
106			425	375		225				Mc.
107			39,880	93,500		76,000			Electric Co. of Missouri.....	M. Mc.
108			900	1,150		550				Mc.
109									Kansas City Electric Light Co.	Mc.
110									Mississippi River Power Co.	Mc. C.
111			610	720		400				M. Mc.
112	Private.....		60	47		50	.20			Mc. C.
113			35	35		25				Mc.
114			100	125		60				Mc.
115			250	250		125				Mc.
116	Private.....		1,000	1,000		1,400	.12			C. Mc. M.
117			100	50		37½	.15			C.
118						70				Mc.
119			130	120		90				Mc.
120	Private.....						.15- .12	.08- .07	St. Joseph Railway Light, Heat & Power Co.	Mc. C.
121	Private.....		413	325		45	.15	.15		Mc. C.
122			145	160		115				Mc.
123			250	260		155				Mc.
124	Private.....		60	50		80				C.
125	Do.....		300	350		425	.15	.05		Mc. C.
126	Private.....						.12- .06	.08- .03		C.
127			125	246		180				Mc.
128			350	405		320				M. Mc.
129			180	105		105				Mc.
130	Private.....		700	975		780	.10- .06	.05- .02		Mc. M. C.
131	Private.....	100			75	70	.20- .10	.075- .015	Ozark Power & Water Co.	Mc. C.
132			150	150		75				Mc.
133	Private.....		800	200		140	.12		Electric Co. of Missouri.....	M. Mc. C.
134			210	175	50	75				Mc.
135			170	345		164				Mc.
Total, A.....		20,590	117,660	241,330	3,069	212,891				

## B.—MUNICIPAL PLANTS.

136			350	350		250				Mc.
137			80	80		50				Mc.
138			250	240		180				Mc.
139			200	160		100				Mc.
140			160	85		60				Mc.
141			90	100		50	\$0.15-\$0.08			Mc. C.
142			300	350		230				Mc.
143			508	265		225				Mc.
144			180	300		180				Mc. C.
145			820	850		600	.07- .03	\$0.0125		Mc. C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY

## MISSOURI—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
146		GD	Chillicothe	Chillicothe	Chillicothe	
147		GD	Clarence	Clarence	Clarence	
148		GD	Clinton	Clinton	Clinton	
149		GD	Columbia	Columbia	Columbia	
150		GD	Elsberry	Elsberry	Elsberry	
151		GD	Farmington	Farmington	Farmington	
152		D	Forest City	Forest City	Forest City	
153		GD	Fulton	Fulton	Fulton	
154		GD	Gallatin	Gallatin	Gallatin	
155		GD	Glasgow	Glasgow	Glasgow	
156		GD	Hale	Hale	Hale	
157		GD	Hannibal	Hannibal	Hannibal	
158		GD	Harrisonville	Harrisonville	Harrisonville	
159		GD	Higginsville and Corder	Higginsville	Higginsville	
160		GD	Holden	Holden	Holden	
161		GD	Independence	Independence	Independence	
162		GD	Joplin	Joplin	Joplin	
163		GD	Kahoka	Kahoka	Kahoka	
164		GD	Kirkwood	Kirkwood	Kirkwood	
165		GD	La Bell	La Bell	La Bell	
166		GD	La Grange	La Grange	La Grange	
167		GD	Lamar	Lamar	Lamar	
168		GD	Lancaster	Lancaster	Lancaster	
169		GD	Lebanon	Lebanon	Lebanon	
170		D	Linneus	Linneus	Linneus	
171		GD	Macon County	Macon	Macon	
172		GD	Malden	Malden	Malden	
173		GD	Marceline	Marceline	Marceline	
174		GD	Milan	Milan	Milan	
175		GD	Monett	Monett	Monett	
176		GD	Monroe City	Monroe City	Monroe City	
177		GD	Mount Vernon	Mount Vernon	Mount Vernon	
178		GD	Odessa	Odessa	Odessa	
179		GD	Oregon and Forest City	Oregon	Oregon	
180		GD	Palmyra	Palmyra	Palmyra	
181		GD	Paris	Paris	Paris	
182		GD	Pierce City	Pierce City	Pierce City	
183		GD	Princeton	Princeton	Princeton	
184		GD	Queen City	Queen City	Queen City	
185		GD	Rich Hill	Rich Hill	Rich Hill	
186		GD	Rockport	Rockport	Rockport	
187		GD	Rolla	Rolla	Rolla	
188		GD	St. Joseph	St. Joseph	St. Joseph	
189		GD	St. Louis	St. Louis	St. Louis	
190		GD	Salisbury	Salisbury	Salisbury	
191		GD	Shelbina and Shelbyville	Shelbina	Shelbina	
192		GD	Slater	Slater	Slater	
193		GD	Sturgeon	Sturgeon	Sturgeon	
194		GD	Sweet Springs	Sweet Springs	Sweet Springs	
195		GD	Tipton and Farmers	Tipton	Tipton	
196		GD	Troy	Troy	Troy	
197		GD	Unionville	Unionville	Unionville	
198		GD	Versailles	Versailles	Versailles	
199		GD	Warsaw	Warsaw	Warsaw	
200		D	West Plains	West Plains	West Plains	

## C.—ALL OTHER PLANTS.

201	Joplin & Pittsburg Ry. Co.	GD	Electric railway	Asbury	Asbury	
202	Mexico Investment & Construction Co.	GT	do	Mexico	Mexico	
	North American Co.	H				
203	United Railways Co. of St. Louis	GT	Electric railways	Central Station	St. Louis	
204	Do	GT	do	Horton Place	do	
205	Do	GT	do	Northern Station	do	
206	Patterson, W. H.		Manufacturing	Smithville	Smithville	Smith Fork
207	St. Francois Co. R. R. Co.	GT	Electric railway	Farmington	Farmington	
208	South West Missouri R. R. Co.	GT	do	Webb City	Webb City	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MISSOURI—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
146			450	450		375				Mc.
147			310	160		95				Mc.
148			250	325		200				Mc.
149			1,200	2,200		1,500	\$0.10-\$0.07	\$0.06-\$0.025		Mc. C.
150			100	100		75	.12			Mc. C.
151			300	215		165				Mc. C.
152									City of Oregon	Mc.
153			300	650		382				Mc.
154			300	200		250				Mc.
155			200	145		100				Mc.
156			70	40		40				
157			1,000	3,000		1,525	.08-.06	.05-.018		Mc. C.
158			225	225		140	.10			Mc. C.
159	Private		250	185		175	.10-.04	.05		Mc. C.
160			250	150		185				Mc.
161			950	800		700	.10-.07	.05-.02		Mc. C.
162			900	750		475	.08-.035	.08-.035	Keystone Hotel Co.	Mc. C.
163			120	110		100	.15-.10			Mc. C.
164	Private		350	367		375	.10-.035			Mc. C.
165			150	150		125				Mc.
166			75	75		37½				Mc.
167			300	300		225				Mc.
168			120	125		70				Mc.
169	Private		300	190		125	.12	.06		Mc. C.
170	Do.						.13-.10	.055	Brookfield Electric Light Co.	C.
171			500	700		500	.105-.06	.06-.04		Mc. C.
172			100	100		60				Mc.
173	Private		300	350		162½	.125	.07		Mc. C.
174			160	150		60				Mc.
175	Private		375	400		250	.08-.04	.04		Mc. C.
176			350	200		160				Mc.
177			100	130		130				Mc.
178			100	150		60	.125-.08	.08		Mc. C.
179			90	90		60				Mc.
180			200	150		150				Mc.
181			200	125		120				Mc.
182	Private		120	225		150	.125-.10			Mc. C.
183			160	125		125	.10	.10-.05		Mc. C.
184					50	50				Mc.
185			300	170		305	.10-.06	.05-.04		Mc.
186	Private		210	125		75	.15-.08			Mc. C.
187			560	360		237½				Mc.
188			800	500		270				Mc.
189						685				Mc.
190			300	300		175				Mc.
191	Private		300	325		200	.10-.07	.06-.04		Mc. C.
192	Do.		325	260		160	.11-.06	.11-.04		Mc. C.
193	Do.		80	74		60				Mc. C.
194					120	75	.10-.08	.05		Mc. C.
195			250	225		125	.15-.07			Mc. C.
196			125	100		210				Mc.
197	Private		160	130		103	.12			Mc. C.
198			100	(100)		60				Mc.
199			100	75		50				Mc.
200							.10-.07	.06-.04	Spring River Power Co.	Mc. C.
Total, B.			17,773	19,331	170	14,193				

## C.—ALL OTHER PLANTS.

201			2,025	2,550		1,700			Spring River Power Co.	Mc. M.
202			300	250		130				Mc. C.
203	Private		6,400	16,000		12,000			Union Electric Light & Power Co. and Electric Co. of Missouri	C. C. C.
204	Do.		6,000	9,070		6,800				
205	Do.		6,400	11,130		8,500				
206	Private	80		100						C.
207	Do.		500	400		300				Mc. C.
208	Do.		3,500	3,000		1,750			Empire Distributing Co.	Mc. C.
Total, C.		80	25,125	42,500		29,180				
Grand total		20,670	160,558	303,161	3,239	256,264				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## MONTANA.

## A.—PUBLIC UTILITY PLANTS

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	Amalgamated Copper Co.: Anaconda Copper Mining Co.....	GTD....	Anaconda and Belt.....	Anaconda.....	Anaconda.....	.....
2	Baker Light & Power Co.....	GD.....	Baker.....	Baker.....	Baker.....	.....
3	Benton Electric Light Co.....	D.....	Fort Benton.....	.....	.....	.....
4	Bowen Bros. Electric Light & Power Co.....	D.....	Philipsburg.....	.....	.....	.....
5	Byllesby, H. M., & Co.....	M.....	.....	.....	.....	.....
6	Northern Idaho & Montana Power Co.....	GTD....	Kalispell, Columbia.....	Big Forks.....	T. 27 N., R. 20 W.....	Swan River.....
7	Do.....	GTD....	Falls and Whitefish.....	Polson.....	Polson.....	.....
8	Chinook Light & Power Co.....	GD.....	Chinook.....	Chinook.....	Chinook.....	.....
9	Clark-Missoula Power Co.....	GT.....	Missoula Light & Water Co.....	Bonner.....	Bonner.....	Clarks Fork.....
10	Coalville-Fromberg Electric Co.....	GD.....	Coalville and Fromberg.....	Coalville.....	Coalville.....	.....
11	Economy Power Co.....	GD.....	Virginia City.....	Blaine Springs.....	Varney.....	Blaine Springs Creek.....
12	Forsyth Electric Light & Power Co.....	GD.....	Forsyth.....	Forsyth.....	Forsyth.....	.....
13	Gardiner Electric Light & Water Co.....	GD.....	Gardiner.....	Gardiner.....	Gardiner.....	Gardiner River.....
14	Glendive Heat, Light & Power Co.....	GD.....	Glendive.....	Glendive.....	Glendive.....	.....
15	Granite County Power Co.....	GD.....	Maxville.....	Maxville.....	Maxville.....	Flint Creek.....
16	Harlowton Light & Water Co.....	GD.....	Harlowton.....	Harlowton.....	Harlowton.....	.....
17	Helena Light & Railway Co.....	D.....	Helena.....	.....	.....	.....
18	(J. G. White & Co., Inc.)	.....	.....	.....	.....	.....
19	Jennings Light & Power Co.....	GD.....	Fairview.....	Fairview.....	Fairview.....	.....
20	Kendall Power Co.....	GD.....	Kendall and Hilgar.....	Kendall.....	Kendall.....	Warm Springs Creek.....
21	Libby Water Works, Electric Light & Power Co.....	GD.....	Libby.....	Libby.....	Libby.....	Flower Creek.....
22	Malta Light Co.....	GD.....	Malta.....	Malta.....	Malta.....	.....
23	Missoula Light & Water Co.....	GD.....	Hamilton, Bonner.....	Hamilton.....	Hamilton.....	.....
24	Do.....	.....	Missoula and vicinity.....	Missoula.....	Missoula.....	.....
25	Montana Power Co.....	HGTD..	Central Montana.....	Billings.....	Billings.....	.....
26	Do.....	HGTD..	do.....	Havre.....	Havre.....	.....
27	Do.....	HGTD..	do.....	Butte.....	Butte.....	.....
28	Do.....	HGTD..	do.....	Conrad.....	Conrad.....	.....
29	Do.....	HGTD..	do.....	Phoenix.....	Butte.....	.....
30	Do.....	HGTD..	do.....	Livingston.....	Livingston.....	Yellowstone River.....
31	Do.....	HGTD..	do.....	Madison, No. 1.....	Madison, No. 1.....	Madison River.....
32	Do.....	HGTD..	do.....	Madison, No. 2.....	do.....	do.....
33	Great Falls Power Co.....	GD.....	do.....	Black Eagle.....	T. 4 S., R. 1 E.....	Missouri River.....
34	Do.....	GD.....	do.....	Billings, No. 1.....	T. 20 N., R. 3 E.....	Missouri River.....
35	Do.....	GD.....	do.....	Billings, No. 2.....	T. 1 S., R. 26 E.....	Yellowstone River.....
36	Do.....	GD.....	do.....	Canyon Ferry.....	T. 1 S., R. 26 E.....	do.....
37	Do.....	GD.....	do.....	Divide.....	T. 10 N., R. 1 W.....	Missouri River.....
38	Do.....	GD.....	do.....	Great Falls.....	T. 1 S., R. 10 W.....	Big Hole River.....
39	Do.....	GD.....	do.....	Hauser.....	T. 12 N., R. 2 W.....	Missouri River.....
40	Do.....	GD.....	do.....	Rainbow.....	T. 21 N., R. 2 E.....	do.....
41	Lewistown Electric & Power Co.....	GTD....	do.....	Lewistown.....	Lewistown.....	Big Spring Creek.....
42	Thompson Falls Power Co.....	GD.....	Thompson Falls.....	Prospect Creek.....	T. 21 N., R. 29 W.....	Prospect Creek.....
43	Do.....	.....	Cocur d'Alene district, Idaho.....	Thompson Falls.....	Thompson Falls.....	Clark's Fork.....
44	Musselshell Electric Light Plant.....	GD.....	Musselshell.....	Musselshell.....	Musselshell.....	.....
45	Neihart Water Co.....	GD.....	Neihart.....	Neihart.....	Neihart.....	O'Brien Creek.....
46	Northwestern Improvement Co.....	GD.....	Red Lodge.....	Red Lodge.....	Red Lodge.....	.....
47	Plains Water & Light Co.....	GD.....	Plains.....	Plains.....	Plains.....	.....
48	Pony Electric Co.....	GD.....	Pony.....	Pony.....	Pony.....	North Willow Creek.....
49	Roundup Coal Co.....	GD.....	Roundup and Kelvine.....	Roundup.....	Roundup.....	.....
50	Saltese Electric Light & Water Co.....	GD.....	Saltese.....	Saltese.....	Saltese.....	Packer Creek.....
51	Schoenfeld, H., Electric Light & Water Plant.....	GD.....	Superior and Iron Mountain.....	Superior.....	Superior.....	Flat Creek.....
52	Sidney Light & Power Co.....	GD.....	Sidney.....	Sidney.....	Sidney.....	.....
53	Somers Lumber Co.....	GD.....	Somers.....	Somers.....	Somers.....	.....
54	Union Electric Co.....	GD.....	Dillon.....	Dillon, No. 1.....	Dillon.....	Beaverhead.....
55	Do.....	GD.....	do.....	Dillon, No. 2.....	do.....	Lovell Springs.....
56	Valier Townsite Co.....	GD.....	Valier.....	Valier.....	Valier.....	.....
57	White Sulphur Springs Electric Co.....	GD.....	White Sulphur Springs.....	White Sulphur Springs.....	White Sulphur Springs.....	Smith River.....

## B.—MUNICIPAL PLANTS.

56	Glasgow Electric Light, Power & Water Works.....	GD.....	Glasgow.....	Glasgow.....	Glasgow.....	.....
57	Miles City Light & Power Co.....	GD.....	Miles City.....	Miles City.....	Miles City.....	.....

## C.—ALL OTHER PLANTS.

58	Amalgamated Copper Co.....	H.....	.....	.....	.....	.....
59	Anaconda Copper Mining Co.....	GT.....	Smelter.....	Flint Creek.....	S. 36, T. 6 N., R. 14 W.....	Flint Creek.....
60	Do.....	G.....	do.....	Great Falls.....	Great Falls.....	Missouri River.....
61	Billings Traction Co.....	G.....	Electric railway.....	Billings.....	Billings.....	.....
62	Butte Electric Railway Co.....	G.....	do.....	Butte.....	Butte.....	.....
63	Electric Hot Springs Co.....	GD.....	Corwin Springs Hotel.....	Corwin Springs.....	Corwin Springs.....	Bassett Creek.....
64	Jessup Milling Co.....	G.....	.....	Jessup.....	.....	.....
65	Landers Power Co.....	GD.....	Gould Manufacturing district.....	Gould.....	Gould.....	.....
66	United States Reclamation Service.....	.....	Pumping.....	Huntley.....	S. 4, T. 2 N., R. 29 E.....	.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## MONTANA.

## A.—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
1	Private.....		11,600	9,000		3,000			Montana Power Co.....	Mc. O.
2	Do.....		75	60		75			Montana Power Co.....	Mc.
3	Do.....								do.....	Mc. O.
4	Do.....								do.....	Mc. O.
5	Do.....	2,820				1,610	\$0.13-\$0.08	\$0.06-\$0.02		M. Mc. O.
6	Do.....		200	250		250	.20	.08-.04		Mc. O.
7	Do.....		185	125		75	.18-.14	.12		Mc. O.
8	Do.....	3,200	900	1,067		2,400				Mc. O.
9	Do.....		450	300		100				Mc.
10	Do.....	650				450	.16			Mc. O.
11			440	450		310	.20-.15	.07-.03		Mc. O.
12	Private.....	140				55				Mc. O.
13			768	1,800		1,230	.15-.05			M. Mc. O.
14	Private.....	1,000				750	.15			O.
15			160	130		100	.20-.15	.05-.03		Mc. O.
16								.11-.03	Montana Power Co.....	M. Mc. O.
17			225	150		100				Mc.
18	Private.....	450				300	.10			O.
19	Do.....	390				300	.15	.09-.05		O.
20					60	35				Mc.
21			300	400		400			Clark Missoula Power Co.....	O.
22			900	150		500	.15-.035	.035-.012	do.....	Mc. O.
23			940	750		500				M. O.
24			350	350		200				O.
25			2,750	6,000		4,000				M. O.
26			140	125		90	.15-.04	.07		M. Mc. O.
27			1,998	375		200	.15-.04	.07		M. O.
28	Private.....	2,600				1,500	.15-.04	.07		M. Mc. O.
29	Public.....	3,000				2,000	.15-.04	.07		M. O.
30	Do.....	13,400				9,000	.15-.04	.07		M. O.
31	Private.....	2,500				3,000	.15-.04	.07		M. Mc. O.
32	Do.....	1,800	900	700		1,080	.15-.04	.07		M. Mc. O.
33	Do.....	900				600	.15-.04	.07		M. Mc. O.
34	Public.....	12,000				7,100	.15-.04	.07		M. O.
35	Forest.....	4,000				3,000	.15-.04	.07		M. Mc. O.
36	Private.....	60,000				40,000	.15-.04	.07		M. O.
37	Forest.....	25,500				17,750	.15-.04	.07		M. O.
38	Private.....	38,400				21,000	.15-.04	.07		M. Mc. O.
39	Do.....	500				350	.15-.04	.07		M. Mc. O.
40	Do.....	1,100				750	.15-.04	.07		M. Mc. O.
41	Do.....	14,000				10,000				O.
42				15	10	10	1.75			Mc. O.
43	Private.....	150				37½	11.00			Mc. O.
44			4,300	5,676		1,050	.13-.06	.026-.012		Mc. O.
45			100	100		80	.15	36.00	Thompson Falls Power Co.....	O.
46	Private.....	100				75	1.50			O.
47			1,050	500		550	.15-.06	.07-.03		Mc. O.
48	Public.....	60				50	1.50			Mc. O.
49	Do.....	50				20	.12	.10	Montana Power Co.....	Mc. O.
50			300	170		150	.15-.06	.06-.04		O.
51			1,400	1,500		405	1.50			O.
52	Private.....	360	200	150		300	.16-.03	.05-.03		M. Mc. O.
53	Do.....	260				150				M. O.
54			170	75		60	.20-.18			Mc. O.
55	Private.....	75				120	.15			O.
Total, A.....		189,405	30,801	30,353	75	137,237				

## B.—MUNICIPAL PLANTS.

56			250	205		130	\$0.17-\$0.09	\$0.08		Mc. O.
57			750	800		570	.12-.06	\$0.05-.015		Mc. O.
Total, B.....			1,000	1,005		700				

## C.—ALL OTHER PLANTS.

58	Forest.....	2,330				1,100				O.
59	Private.....	9,500							Montana Power Co.....	O.
60						150				M. C.
61			1,000	1,200		725				M. C.
62	Public.....	60				40				Mc. O.
63			50	60		150				O.
64	Private.....	1,000				500				Mc. O.
65	Government.....	600								Mc. O.
Total, C.....		13,490	1,050	1,260		2,665				
Grand total.....		202,895	32,851	32,618	75	140,602				

<sup>1</sup> Lamp-month.<sup>2</sup> Horsepower-year.



TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## NEBRASKA.

## A.—PUBLIC UTILITY PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	Adams Electric Light Co.	GD	Adams	Adams	Adams	
2	Ainsworth Light & Power Co.	GD	Ainsworth	Ainsworth	Ainsworth	
3	Albion Electric Light & Power Co.	GD	Albion	Albion	Albion	Beaver
4	Anselmo Electric Light & Power Co.	GD	Anselmo	Anselmo	Anselmo	
5	Arlington Light, Heat & Power Co.	GD	Arlington	Arlington	Arlington	
6	Ashland Light, Mill & Power Co.	GD	Ashland	Ashland	Ashland	
7	Atlanta Electric Light & Waterworks	GD	Atlanta	Atlanta	Atlanta	
8	Auburn Mutual Lighting & Power Co.	GD	Auburn	Auburn	Auburn	
9	Barry, J. S.	GD	Odell	Odell	Odell	
10	Beaver Crossing Light & Power Co.	GD	Beaver Crossing	Beaver Crossing	Beaver Crossing	
11	Blue River Power Co.	GD	Seward and Saline counties	Crete		Big Blue River
12	Boehler, Emil	G	McLean	McLean	McLean	
13	Bow Valley Roller Mills	G	Wynot	Wynot	Wynot	
14	Bremers, jr., H. J.	GD	David City	David City	David City	
15	Bridgeport Electric Light & Power Co.	GD	Bridgeport	Bridgeport	Bridgeport	
16	Calloway Milling & Electric Light Co.	GD	Calloway	Calloway	Calloway	
17	Cambridge Electric Light Co.	GD	Cambridge	Cambridge	Cambridge	
18	Campbell Electric Light & Power System	GD	Campbell	Campbell	Campbell	
19	C. & R. Electric Co.	GD	Scottsbluff and Gering	Scottsbluff	Scottsbluff	
20	Clarks Electric Light Plant	GD	Clarks	Clarks	Clarks	
21	Continental Gas & Electric Corporation	H				
22	Aurora Electric Co.	GD	Aurora	Aurora	Aurora	
23	Nebraska Gas & Electric Co.	GD	Beatrice, Blue Springs and Wymore	Beatrice	Beatrice	
24	Do.	GD	Blair	Blair	Blair	
25	Do.	GD	Norfolk, Tilden, and Meadow Grove	Norfolk	Norfolk	
26	Nebraska Lighting Co.	D	Plattsmouth	Plattsmouth	Plattsmouth	
27	York Gas & Electric Co.	GD	York and McCool Junction	York	York	
28	Cooper, O. A., & Sons	GD	Humboldt and Table Rock	Humboldt	Humboldt	
29	Creighton Gas, Electric Light & Power Co.	GD	Creighton	Creighton	Creighton	
30	Custer Electric Co.	GD	Broken Bow	Broken Bow	Broken Bow	
31	Davenport Electric Light Plant	GD	Davenport	Davenport	Davenport	
32	Davis, E. N.	GD		Cozad	Cozad	
33	Deshler Light & Power Co.	GD	Deshler	Deshler	Deshler	
34	DeWitt Electric Light & Power Co.	GD	DeWitt	DeWitt	DeWitt	
35	Diamond Milling & Light Co.	GD	Salem	Salem	Salem	
36	Doherty Operating Co.	M				
37	Fremont Gas & Electric Light Power Co.	GD	Fremont and Cedar Bluffs	Fremont	Fremont	
38	Lincoln Gas & Electric Light Co.	GD	Lincoln, Havelock, Waverly University Place	Lincoln	Lincoln	
39	Doniphan Electric Light & Power Co.	D	Doniphan	Doniphan	Doniphan	
40	Edgar Light & Power Co.	GD	Edgar	Edgar	Edgar	
41	Electric Light & Telephone Co.	GD	Lindsay	Lindsay	Lindsay	
42	Erickson, A. S.	GD	Funk	Funk	Funk	
43	Exeter Electric Light & Power Co.	GD	Exeter	Exeter	Exeter	
44	Fairmont Electric Light & Water Co.	GD	Fairmont	Fairmont	Fairmont	
45	Fullerton Electric Light & Power Co.	GD	Fullerton	Fullerton	Fullerton	
46	Geneva Electric Co.	GD	Geneva	Geneva	Geneva	
47	Gibbon Electric Light Co.	GD	Gibbon	Gibbon	Gibbon	
48	Giltner, S. F.	GD	Valentine	Valentine	Valentine	Minichaduza
49	Giltner Light Co.	GD				
50	Gothenburg Light & Power Co.	GD	Gothenburg	Gothenburg	Gothenburg	
51	Grand Island Electric Co.	GD	Grand Island and Doniphan	Grand Island	Grand Island	
52	Gresham Electric Light Power Co.	GD	Gresham	Gresham	Gresham	
53	Hartington Electric Co.	GD	Hartington	Hartington	Hartington	
54	Harvard Electric Co.	GD	Harvard	Harvard	Harvard	
55	Havelock Electric Light Co.	D	Havelock	Havelock	Havelock	
56	Hemingford Light & Power Co.	GD	Hemingford	Hemingford	Hemingford	
57	Hill, W. H.	GD	Overton	Overton	Overton	
58	Hoffman, J. C.	GD	Butte	Butte	Butte	
59	Holdrege Lighting Co.	GD	Holdrege	Holdrege	Holdrege	
60	Holmesville Mill & Power Co.	GD	Holmesville	Holmesville	Holmesville	
61	Hooper Electric Light & Power System	GD	Hooper	Hooper	Hooper	
62	Huffman & Seymour Co.	GD	Elgin	Elgin	Elgin	
63	Humboldt Electric Light Co.	GD	Humboldt	Humboldt	Humboldt	
64	Humphrey Electric Light & Power Co.	GD	Humphrey	Humphrey	Humphrey	
65	Hylton, W. N.	GD	Gresham	Gresham	Gresham	
66	Illinois Traction Co.	H				
67	Omaha & Lincoln Ry. & Light Co.	D	Ralston, Papillion, Louisville, and Gretna	Omaha		
68	Intermountain Railway Light & Power Co.	GD	Chadron	Chadron	Chadron	
69	Do.	GD	Crawford and Fort Robinson	Crawford	Crawford	
70	Indianola Electric Light Co.	GD				
71	Jacobs, E.	GD	Staplehurst	Staplehurst	Staplehurst	
72	Johnson, M. M., Electric Light & Power Co.	GD	Clay Center	Clay Center	Clay Center	
73	Kearney Water & Electric Power Co.	GD	Kearney	Kearney	Kearney	
74	Krotter, F. C.	GD	Palisades	Palisades	Palisades	
75	Kimball Electric Light & Power Co.	GD				
76	Leedom-Coons & Leedom Electric Co.	GD	Osmond	Osmond	Osmond	
77	Lexington Mill & Elevator Co.	GD	Lexington	Lexington	Lexington	
78	Lincoln Traction Co.	GTD	Lincoln, College View, University Place, Bethany	Lincoln	Lincoln	
79	Lincoln Heat, Light & Power Co.	D	Lincoln	do		
80	(?)	GD	Lodgepole	Lodgepole		



MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NEBRASKA.

## A.—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
1			80	80		42				Mc.
2						150	\$0.12-\$0.02			C. Mc.
3	Private	140	75	80		125				C. Mc.
4					20	15				C.
5	Private		100	75		60	.15			C. Mc.
6	Do	160	75	100		125	.14- .07	\$0.06-\$0.04		C. Mc.
7					15	75				Mc.
8	Private		250	240	50	150	.15	.08- .05		Mc.
9							.14- .06			C.
10					45	27				Mc.
11		700	500	600		750				Mc.
12						40				C.
13	Private									C.
14			150	300		90				Mc.
15					90	60				Mc.
16		125			75	130				Mc.
17					175	155				Mc.
18						34				C.
19			300	250		250				Mc.
20			60	50		30				Mc.
21	Private		425	375		300				O.
22			650	400		275				M. Mc.
23			250	200		200				M. Mc.
24			500	770		620				M. Mc.
25									Red Oaks Electric Co. (Iowa)	M. Mc.
26			900	850		660				C. M. Mc.
27	Private		350	350		200	.12- .06	.06- .04		Mc.
28			115	100	100	160				Mc.
29			225	150		125				Mc.
30			70	70		50				Mc.
31	Private				75	55	.15	.10		C.
32					70	50				Mc.
33					70	35				Mc.
34						33				C.
35			2,055	2,000		975	.05- .50	.05- .02		C.
36			700	700		425				Mc.
37									Grand Island Electric Co.	Mc.
38						50				O.
39					40	20				Mc.
40					15	10				Mc.
41			250	122	42	115				Mc.
42			230	85		40				Mc.
43		240			135	175				C. Mc.
44	Private		200	300		225	.15- .08	.12- .03		C. Mc.
45					89	50				Mc.
46	Private	225				100	.10- .07			C. Mc.
47						60				C.
48		500	400	400		170	.10	.10- .01		C. Mc.
49			1,000	1,033		725				M. Mc. O.
50	Private			30		60	.15- .07			C.
51					50	60	.15- .10			C. Mc.
52	Private		125	125	50	155	.15- .06	.06		C. Mc.
53							.14- .10	.09		C. Mc.
54					25	16			Lincoln Gas & Electric Co.	C.
55	Private				30	30	.18			C. Mc.
56					65	75				Mc.
57			150	280		175				M. Mc.
58		500				350				Mc.
59			185	100		50				Mc.
60					60	40				C.
61			250	380		200				Mc.
62			90	75		30				Mc.
63			60	40		30				Mc.
64									Omaha Electric Light & Power Co.	M. Mc.
65			250	250		150				Mc.
66			350	300		180				Mc.
67					(10)	71				C.
68	Private	41			30	30	.15- .05			C. Mc.
69	Do		300	285		225	.08			C. Mc.
70		1,350	1,000	1,350		2,000	.10- .03	.064- .018		C. Mc.
71		188				100				Mc.
72					75	50				C.
73					34	30				Mc.
74			500	100		225				C. Mc.
75			3,734	5,100		3,575				C. Mc.
76										M.
77					25	15				C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS PUBLIC UTILITY,

## NEBRASKA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
78	McCook Electric Co.....	GD.....	McCook.....	McCook.....	McCook.....	
79	Middle West Utilities Co.....	H.....				
80	Nebraska City Utilities Co.....	GD.....	Nebraska City.....	Nebraska City.....	Nebraska City.....	
81	Miller, C., Electric Light & Power Co.....	GD.....	Osceola and Shelby.....	Osceola.....	Osceola.....	
82	Monroe Electric Light, Heat & Power Co.....	GD.....	Monroe.....	Monroe.....	Monroe.....	
83	Neligh Mills.....	GD.....	Neligh.....	Neligh.....	Neligh.....	
84	Nelson Light, Power & Heating Co.....	GD.....	Nelson.....	Nelson.....	Nelson.....	
85	Nemaha Valley Light & Heat & Power Co.....	GD.....	Stella and Shubert.....	Stella.....	Stella.....	
86	New Castle Electric Light Co.....	GD.....		New Castle.....		
87	Omaha Electric Light & Power Co.....	GD.....	Omaha and vicinity.....	Omaha.....	Omaha.....	
88	Omaha, Lincoln & Beatrice Ry. Co.....	D.....	Bethany.....	Bethany.....		
89	O'Neill Light & Power Co.....	GD.....	O'Neill.....	O'Neill.....	O'Neill.....	
90	Ord Electric Light Co.....	GD.....	Ord.....	Ord.....	Ord.....	
91	Orleans Electric Light & Power Co.....	GD.....	Orleans.....	Orleans.....	Orleans.....	
92	Pender Electric Light & Power Co.....	GD.....	Pender.....	Pender.....	Pender.....	
93	Peru Electric Light & Power Co.....	GD.....	Peru.....	Peru.....	Peru.....	
94	Pierce Milling Co.....	GD.....	Pierce.....	Pierce.....	Pierce.....	
95	Platte Electric Light & Power Co.....	D.....	Springfield.....	Springfield.....		
96	Ravenna Electric Light, Heat & Power Co.....	GD.....	Ravenna.....	Ravenna.....	Ravenna.....	
97	Roseland Electric Light & Power Co.....	GD.....	Roseland.....	Roseland.....	Roseland.....	
98	St. Edwards Electric Light Co.....	GD.....	St. Edwards.....	St. Edwards.....	St. Edwards.....	
99	St. Paul Electric Works.....	GD.....	St. Paul.....	St. Paul.....	St. Paul.....	
100	Sanberg, P. J.....	GD.....	Magnet.....	Magnet.....	Magnet.....	
101	Shelton Electric Light & Power Co.....	GD.....	Shelton.....	Shelton.....	Shelton.....	
102	Sidney Electric Service Co.....	GD.....	Sidney.....	Sidney.....	Sidney.....	
103	Skredla, J. & Sons.....	GD.....	Atkinson.....	Atkinson.....	Atkinson.....	
104	Southern Nebraska Power Co.....	GD.....	Superior.....	Superior.....	S. 36, T. 1, R. 7.....	Republican.....
105	Spalding Electric Light Co.....	GD.....	Spalding.....	Spalding.....		
106	Spencer Light & Power Co.....	GD.....	Spencer.....	Spencer.....	Spencer.....	
107	Stavo & Franklin Electric Co.....	GD.....	Linwood.....	Linwood.....	Linwood.....	
108	Stella Light, Heat & Power Co.....	D.....	Shubert.....	Shubert.....		
109	Stromsburg Electric Light, Heat & Power Co.....	GD.....	Stromsburg.....	Stromsburg.....	Stromsburg.....	
110	Sutton Electric Light & Power Co.....	GD.....	Sutton.....	Sutton.....	Sutton.....	
111	Table Rock Electric Co.....	D.....	Table Rock.....	Table Rock.....		
112	Union Co. of Omaha.....	H.....				
113	Columbus Light, Heat & Power Co.....	GD.....	Columbus.....	Columbus.....	Columbus.....	
114	North Platte Light & Power Co.....	GD.....	North Platte.....	North Platte.....	North Platte.....	
115	Valparaiso Electric Co.....	D.....	Valparaiso.....	Valparaiso.....		
116	Van Ackron Electric Light Plant.....	GD.....				
117	Wauneta Electric Light & Power Co.....	GD.....	Wauneta.....	Wauneta.....	Wauneta.....	
118	Webster County Light & Power Co.....	GD.....	Blue Hill.....	Blue Hill.....	Blue Hill.....	
119	West Point Electric Light & Power Co.....	GD.....	West Point.....	West Point.....	West Point.....	
120	Winside Electric Light & Power Co.....	GD.....	Winslow.....	Winslow.....	Winslow.....	
121	Winslow Electric Light Co.....	GD.....	Spencer.....	Spencer.....	Spencer.....	
122	Woods Brothers Electric Light Plant.....	GD.....				

## B.—MUNICIPAL PLANTS.

121	GD.....	Alliance.....	Alliance.....	Alliance.....	
122	GD.....	Alma.....	Alma.....	Alma.....	
123	GD.....	Ansley.....	Ansley.....		
124	GD.....	Arapahoe.....	Arapahoe.....		
125	GD.....	Ashton.....	Ashton.....		
126	GD.....	Auburn.....	Auburn.....	Auburn.....	
127	GD.....	Bartley.....	Bartley.....		
128	GD.....	Beatrice.....	Beatrice.....	Beatrice.....	
129	GD.....	Beaver City.....	Beaver City.....	Beaver City.....	
130	GD.....	Benedict.....	Benedict.....	Benedict.....	
131	D.....	Bethany.....	Bethany.....		
132	GD.....	Bladen.....	Bladen.....		
133	GD.....	Bloomington.....	Bloomington.....	Bloomington.....	
134	GD.....	Bradshaw.....	Bradshaw.....	S. 25, T. 41, R. 4.....	
135	D.....	Cedar Bluffs.....	Cedar Bluffs.....		
136	GD.....	Central City.....	Central City.....	S. 27, T. 13 N., R. 12 W.....	Middle Loup.....
137	GD.....	Clarkson.....	Clarkson.....	Clarkson.....	
138	GD.....	Colon.....	Colon.....	Colon.....	
139	GD.....	Crab Orchard.....	Crab Orchard.....	Crab Orchard.....	
140	D.....	Crete.....	Crete.....		
141	GD.....	Crofton.....	Crofton.....	Crofton.....	
142	GD.....	Curtis.....	Curtis.....	Curtis.....	
143	GD.....	David City.....	David City.....	David City.....	
144	GD.....	Dodge.....	Dodge.....	Dodge.....	
145	GD.....	Edgar.....	Edgar.....	Edgar.....	
146	GD.....	Elwood.....	Elwood.....	Elwood.....	
147	GD.....	Fairbury.....	Fairbury.....	Fairbury.....	
148	D.....	Fairfield.....	Fairfield.....		
149	GD.....	Falls City.....	Falls City.....	Falls City.....	
150	GD.....	Farnam.....	Farnam.....	Farnam.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NEBRASKA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
78			550	365	60	350				M. Mc.
79			500	500		350				Mc.
80	Private		210	500		380	\$0.15	\$0.06		Mc.
81					40	19				C. Mc.
82	Private	400			225	250	\$0.10-.08			Mc.
83	Do.		70	60	30	75	.14-.09			C. Mc.
84			100	60		50	.12	.06		C. Mc.
85	Private		75	75		40	.18	.18		C.
86	Do.		8,610	24,000		18,000	.08-.025	\$0.07-.015		C. M. Mc.
87	Do.						.12	.07	Lincoln Heat, Light & Power Co.	C. M. Mc.
88			175	125		125				C. Mc.
89			100	90		112				C. Mc.
90			100	125		75	.15-.09	.07-.045		C. Mc.
91	Private		50	80		27½	.15-.10			C.
92			65	60		50				C. Mc.
93		130			100	150				Mc.
94										Mc.
95	City		300	300		225	.15	.08-.03		C. Mc.
96					150	110				C. Mc.
97	Private	125		70		(100)	.15-.10	.06		C. Mc.
98			100	94		62½				Mc.
99					15	7½				Mc.
100						130				O.
101			295	220		130				C. Mc.
102	Private	70			80	50	.10	.05		C. Mc.
103		450	160	130		350				C. Mc.
104	Private	170			75	50	.16-.12			C.
105					60	30				Mc.
106					30	132				Mc.
107										Mc.
108			125	85		50	.12-.075	.06		C. Mc.
109			125	250		170				Mc.
110									Humboldt Electric Light Plant.	Mc.
111			1,100	1,000		795				Mc.
112			550	450		750				M. Mc.
113										C. Mc.
114		(75)				45			D. M. Deane	Mc.
115		65				50				C.
116			150	250		(150)				Mc.
117			150	190		110				C.
118					25	17½				C. Mc.
119	Private				16	(10)	.20			C.
120					50	35				Mc.
Total, A.		5,674	50,564	47,174	2,516	39,623				

## B.—MUNICIPAL PLANTS.

121			340	535		375				C. Mc.
122					150	40				Mc.
123						36				C.
124	City				170	36				C.
125	Private				40	25	\$0.20-\$0.12	\$0.10		C.
126			250	70		(100)				Mc.
127	Private				35	(25)	.15			C.
128			450	335		250				Mc.
129					(75)	50				C.
130			30	60		35				Mc.
131									Lincoln Traction Co.	Mc.
132	Village				6		.15-.125	.08	Webster County Power & Light Co.	C.
133		(50)				30				C.
134					32	25				O.
135									Fremont County Electric Light & Power Co.	Mc.
136		(5,000)	250	(940)		3,700				C. Mc.
137			80	80		50				Mc.
138					25	(15)				Mc.
139					45	30	.15-.10			C. Mc.
140									Crete Milling Co.	Mc.
141					50	30				Mc.
142					325	325				Mc.
143			150	150	150	225	.15-.08			Mc.
144					75	57				Mc.
145	City		100	60		50	.12-.09			C. Mc.
146					35	18				Mc.
147	City		500	250		375	.13-.045	\$0.09-.02		C. Mc.
148										Mc.
149	City		400	350		340	.09	.04		C.
150					(30)	18				C. Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## NEBRASKA—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
151		GD	Franklin	Franklin	Franklin	
152		GD	Fremont	Fremont	Fremont	
153		GD	Friend	Friend	Friend	
154		GD	Genoa	Genoa	Genoa	
155		GD	Giltner	Giltner	Giltner	
156		GD	Gordon	Gordon	Gordon	
157		GD	Grafton	Grafton	Grafton	
158		GD	Grand Island	Grand Island	Grand Island	
159		GD	Hampton	Hampton	Hampton	
160		GD	Hastings	Hastings	Hastings	
161		GD	Hebron	Hebron	Hebron	
162		GD	Howell	Howell	Howell	
163		GD	Kenesaw	Kenesaw	Kenesaw	
164		GD	Lincoln	Lincoln	Lincoln	
165		GD	Madison	Madison	Madison	
166		GD	Marquette	Marquette	Marquette	
167		D	Merna	Merna		
168		D	Milford	Milford		
169		GD	Minden	Minden	Minden	
170		GD	Morse Bluff	Morse Bluff	Morse Bluff	
171		GD	Pawnee City	Pawnee City	Pawnee City	
172		D	Pender	Pender		
173		GD	Plainview	Plainview	Plainview	
174		GD	Potter	Potter	Potter	
175		GD	Prague	Prague	Prague	
176		GD	Randolph	Randolph	Randolph	
177		GD	Red Cloud	Red Cloud	Red Cloud	
178		GD	Schuyler	Schuyler	Schuyler	
179		GD	Seward	Seward	Seward	
180		GD	Stanton	Stanton	Stanton	
181		GD	Stratton	Stratton	Stratton	
182		GD	Tecumseh	Tecumseh	Tecumseh	
183		GD	Tekamah	Tekamah	Tekamah	
184		D	University Place	University Place		
185		GD	Valley	Valley	Valley	
186		GD	Wahoo	Wahoo	Wahoo	
187		GD	Wayne	Wayne	Wayne	
188		GD	Weeping Water	Weeping Water	Weeping Water	
189		GD	Wilbur	Wilbur	Wilbur	
190		GD	Wisner	Wisner	Wisner	
191		GD	Wood River	Wood River	Wood River	
192		GD	Wymore	Wymore	Wymore	
193		GD	Wynot	Wynot		

## C.—ALL OTHER PLANTS.

194	Long Pine Light & Power Co.	G	Long Pine	Long Pine	Long Pine	
195	Nebraska Sanitarium Electric Light Co.	G		Collegeview	S. 5, T. 9 N., R. 7 E.	
196	Omaha & Council Bluffs Street Ry.	G	Electric railway	Omaha	Omaha	

## NEVADA.

## A.—PUBLIC UTILITY PLANTS.

1	Buckhorn Mines Co.	GD	Beowawe	Beowawe	Beowawe	
2	Como Power & Telephone Co.	GD	Las Vegas	Las Vegas	Las Vegas	
3	Deeth Mercantile Co.	GD	Deeth	Deeth	Deeth	
4	Elko-Lamoille Power Co.	GD	Elko and Lamoille	Elko	Elko	
5	Do.	GD	do	Lamoille	S. 6, T. 32 N., R. 58 E.	Lamoille Creek
6	Ely Light & Power Co.	GD	Ely, East Ely and Lane City	East Ely	East Ely	
7	Do.		do	Ely	Ely	Murray Creek
8	Lovelocks & Woolsey Light & Power Co.	GD	Lovelocks	Lovelocks		do
9	Southern Pacific Co.	GD	Carlin	Carlin	Carlin	
	Stone and Webster	M				
10	Reno Power, Light & Water Co.	GDT	Reno, Sparks, Virginia City	Washoe	S. 14, T. 19 N., R. 18 E.	Truckee River
11	Do.		Carson City, Silver City	Reno	S. 10, T. 19 N., R. 19 E.	do
12	Truckee River General Electric Co.	GDT	Floriston, Cal., and vicinity	Fleish	S. 30, T. 19 N., R. 18 E.	do
13	Do.			Verdi	S. 8, T. 19 N., R. 18 E.	do
14	United States Reclamation Service	GTD		Lahontan	S. 33, T. 19 N., R. 26 E.	Truckee and Carson Rivers
15	Winnemucca Water & Light Co.	GD	Winnemucca	Winnemucca	S. 33, T. 36 N., R. 38 E.	Whites Creek
16	Do.		do	do	S. 19, T. 36 N., R. 38 E.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NEBRASKA—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
151					75	50	\$ .15- .08			C. Mc.
152			750	1,500		1,000				Mc.
153			300	150		100				Mc.
154			150	150	50	75	.15			C. Mc.
155			80	70		60				Mc.
156			1,200	2,050		(1,200)	.05- .50			C.
157					30	17				Mc.
158			750	360		225				Mc.
159				100		30				Mc.
160			900	970		720	.065	\$.045- .03		C. Mc.
161			250	190		150	.15	.09		C. Mc.
162	City		80	60		45	.12			C. Mc.
163	Do				75	50	.15			C.
164			750	1,050		1,500				Mc. O.
165			250	250		200	.10	.08		C. Mc.
166					25	17½				Mc. O.
167							.15	.15		C.
168							.15- .10		Blue River Power Co.	C.
169			200	175		125				Mc.
170					25	17				Mc.
171			300	250		210	.12	.09		C. Mc.
172										Mc.
173			125	125	25	75				Mc.
174					(20)	15				C.
175	Private				21	12	.15	.15		C. Mc.
176					25	55				Mc.
177	City		300	275		200	.15- .05	.15- .07		C. Mc.
178			220	160		110	.12- .08	.07- .05		C. Mc.
179			300	300		250			Blue River Power Co.	Mc.
180					50	145	.18	.18		C. Mc.
181					50	30				Mc.
182			275	250		190	.15- .08	.08- .04		C. Mc.
183			160	75		75				Mc.
184									Lincoln Traction Co.	Mc.
185					(75)	50				C. Mc.
186			300	280		175				Mc.
187			250	225		150				C. Mc.
188	City				85	60	.12	.12		C. Mc.
189	Private		310	210		125	.12- .06	.06- .035		C. Mc.
190				125		100	.10	.055	Steam from Wisner Roller Mills	C. Mc.
191					50	30				Mc.
192			300	310		175				Mc.
193										Mc.
Total, B.		5,050	11,050	12,490	1,924	14,073				

## C.—ALL OTHER PLANTS.

194		75				50				C.
195					40	25				C.
196	Private		32,000	23,775		15,850				C. M.
Total, C.		75	32,000	23,775	40	15,925				
Grand total		10,799	73,614	83,439	4,480	69,621				

## NEVADA.

## A.—PUBLIC UTILITY PLANTS.

1	Private		550	550		550				C.
2					170	50				C.
3	Private				4	3	<sup>1</sup> \$0.62			C.
4	Do				300	175	\$0.15- .075	\$0.075- \$0.02		C. F. Mc.
5	Forest	415				250	.15- .075	.075- .02		C. Mc.
6	Private		1,075	1,300		1,000				C. M. Mc.
7	Do	160	425	100		200	.17- .125	.10 - .07		C. F. Mc.
8		150			120	225				Mc.
9	Private		200	50		25				C.
10		3,600	{			1,500				Mc. O.
11						700				Mc. O.
12						2,500	.07	.05		Mc. O.
13		3,200				2,400				Mc. O.
14	Public	2,490				1,875	.06	.06		C.
15		135				175	.15- .08			C. Mc.
16			320	600	150	450				C.
Total, A.		13,150	2,570	2,600	744	12,078				

<sup>1</sup> Lamp-month.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## NEVADA—Continued.

## B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
17	Fallon Municipal System.....	D.....	Fallon.....	.....	.....	.....

## C.—ALL OTHER PLANTS.

18	Tuscarora-Nevada Mines Co.....	G.....	Milling and mining.....	Jack Creek.....	S. 16 and 17, T. 42 N., R. 53 E.	Mill Creek.....
19	Utah Copper Co..... Nevada Consolidated Copper Co.....	H..... G.....	do.....	McGill.....	S. 21, T. 18 N., R. 64 E.	.....

## NEW HAMPSHIRE.

## A.—PUBLIC UTILITY PLANTS.

1	Allen, William F., Light Co.....	GD.....	Coos County, N. H., and Essex County, Vt.	Colebrook.....	.....	.....
2	Do.....	.....	do.....	West Stewartstown.....	.....	.....
3	Alton Electric Light & Power Co.....	D.....	Alton and New Durham.....	Alton.....	.....	.....
4	Amoskeag Manufacturing Co.....	.....	.....	Manchester.....	.....	Merrimac River.....
5	Ashland Electric Light Co.....	GD.....	Ashland.....	Ashland.....	Ashland.....	Squam River.....
6	Barstow, W. S., & Co. (Inc.).....	M.....	.....	.....	.....	.....
7	Claremont Power Co.....	GD.....	Claremont and vicinity.....	Claremont.....	Claremont.....	Sugar River.....
8	Berlin Street Railway Co.....	GD.....	Berlin.....	Gorham.....	.....	.....
9	Bethlehem Electric Light Co.....	GD.....	Bethlehem and Whitefield.....	Bethlehem.....	Bethlehem.....	Ammonusuc River.....
10	Boston & Maine Railroad Co.....	GD.....	Concord.....	Franklin.....	Franklin.....	Pemigewasset River.....
11	Do.....	GD.....	do.....	West Concord.....	West Concord.....	.....
12	Portsmouth Electric Ry. Co.....	.....	.....	Nobles Island.....	Portsmouth.....	.....
13	Bristol Electric Light Co.....	GD.....	Grafton and Belknap Counties.....	Bristol.....	Bristol.....	Newfound.....
14	Campton Electric Light Co.....	D.....	Campton.....	Campton.....	.....	.....
15	Cloutman Gas & Electric Co.....	GD.....	Farmington.....	Farmington.....	.....	.....
16	Contoocook Electric Light Co.....	GD.....	Merrimack County.....	Contoocook.....	.....	Warner River.....
17	Derry Electric Co.....	GD.....	Derry.....	Derry.....	Derry.....	.....
18	Fessenden, O. D.....	GD.....	Brookline.....	South Brookline.....	South Brookline.....	.....
19	Franklin Light & Power Co.....	GD.....	Franklin.....	Franklin.....	Franklin.....	Winnepesaukee River and Salmon Brook.....
20	Goodell's Co.....	GD.....	Antrim and Bennington.....	Antrim.....	Antrim.....	Contoocook River.....
21	Goodrich Falls Electric Co.....	GD.....	Carroll County.....	Intervale.....	Intervale.....	.....
22	Greenville Electric Lighting Co.....	GD.....	Greenville.....	Greenville.....	Greenville.....	.....
23	Groveton Electric Light Co.....	D.....	Coos County.....	Groveton.....	.....	.....
24	Hadley, C. E.....	GD.....	Bradford and Piermont.....	Bradford.....	.....	.....
25	Henry, J. E., & Sons Co.....	GD.....	Lincoln and North Woodstock.....	Lincoln.....	.....	Pemigewasset River.....
26	Hillsboro Electric Light & Power Co.....	GD.....	Hillsboro and Henniker.....	Hillsboro.....	.....	.....
27	Jaffrey & Troy Electric Light Co.....	D.....	Jaffrey and Troy.....	Troy.....	.....	.....
28	Jones & Linscott Electric Co.....	GD.....	Lancaster.....	Lancaster.....	Lancaster.....	Israel River.....
29	Keene Gas & Electric Co.....	GD.....	Cheshire County.....	Keene.....	Swanzey.....	Asmead River.....
30	Dublin Electric Co.....	GD.....	Dublin.....	Dublin.....	.....	.....
31	Petersboro Electric Co.....	GD.....	Petersboro.....	Petersboro.....	.....	.....
32	Laconia Gas & Electric Co.....	GD.....	Belknap County.....	Lakeport.....	Lakeport.....	Lake Winnepesaukee.....
33	Do.....	GD.....	do.....	Lochmere.....	Lochmere.....	Winnepesaukee River.....
34	Lancaster & Jefferson Electric Co.....	GD.....	Lancaster.....	Lancaster.....	.....	.....
35	Lebanon Electric Light & Power Co.....	GD.....	Lebanon.....	Lebanon.....	.....	.....
36	Lisbon Light & Power Co.....	GD.....	Bath.....	Bath.....	.....	.....
37	Do.....	GD.....	Lisbon.....	Lisbon.....	.....	.....
38	Manchester Traction, Light & Power Co.....	GTD.....	Hillsboro, Merrimack, Rockingham Counties.....	Manchester.....	.....	Merrimac River.....
39	Nashua Light, Heat & Power Co.....	GD.....	Nashua and Hudson.....	Nashua.....	Nashua.....	.....
40	Marlboro Electric Light, Heat & Power Co.....	GD.....	Marlboro.....	Marlboro.....	.....	.....
41	Mascoma Electric Light & Gas Co.....	GD.....	Grafton and Sullivan Counties and Vermont.....	West Lebanon.....	.....	.....
42	Meredith Electric Light Co.....	D.....	.....	Meredith.....	.....	.....
43	Middle West Utilities Co.....	H.....	.....	.....	.....	.....
44	Twin State Gas & Electric Co.....	GD.....	Coos, Cheshire and Strafford Counties.....	Dover.....	Dover.....	.....
45	Do.....	.....	.....	Gorham.....	.....	.....
46	Milford Light & Power Co.....	GD.....	Hillsboro County.....	Milford.....	.....	.....
47	New Hampshire Water & Electric Light Co.....	D.....	Fitzwilliam and Richmond.....	Fitzwilliam.....	.....	.....
48	New Hampshire Electric Railways Co.....	H.....	.....	.....	.....	.....
49	Rockingham County Electric Light & Power Co.....	GTD.....	Rockingham County.....	Portsmouth.....	Portsmouth.....	.....
50	New Hampton Electric Light & Power Co.....	D.....	New Hampton.....	New Hampton.....	.....	.....
51	New Market Electric Co.....	GD.....	Rockingham and Strafford Counties.....	New Market.....	.....	.....
52	Newport Electric Light Co.....	GD.....	Newport and Sunapee.....	Newport.....	Newport.....	Sugar River.....
53	Sunapee Electric Light & Power Co.....	D.....	Sunapee.....	Sunapee.....	.....	.....
54	Penacook Electric Light Co.....	GD.....	Concord and Merrimack Counties.....	Penacook.....	.....	.....
55	Pioneer Electric Co.....	GD.....	Sanbornville.....	Sanbornville.....	Sanbornville.....	.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NEVADA—Continued.

## B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
17									United States Reclamation Service.	C. Mc.

## C.—ALL OTHER PLANTS.

18	National forest.....	(170)				150				F.
19	Private.....		8,400	9,775		4,600				C.
	Total, C.....	170	8,400	9,775		4,750				
	Grand total.....	13,320	10,970	12,375	744	16,828				

## NEW HAMPSHIRE.

## A.—PUBLIC UTILITY PLANTS.

1		600				420				Mc. P.
2		500				420				Mc.
3									Cloutman Gas & Electric Co.	Mc.
4		22,445								O.
5	Private.....	90	133	90		75	\$0.10	\$0.08 - \$0.03		Mc. C.
6		600	600	1,000	900	2,340	\$0.11- .08	.08 - .015	Colonial Power & Light Co.	Mc. M. C.
7		300				300				Mc. M.
8	Private.....	450	250	450		225	.15- .10	.05		Mc. M. C.
9	Do.....	2,190				1,200				Mc. O. C.
10			405	450		525				Mc.
11			500	600		480				Mc.
12	Private.....	150			50	300	.12- .08	.06 - .04		Mc. C.
13										Mc.
14		114	200	400		75				Mc.
15	Private.....	200				135	.10- .06			Mc. C.
16			350	650		350				Mc.
17			(60)	70		60				Mc.
18	Private.....	800				540	.12- .08			Mc. M. C.
19	Do.....	1,000				660	.16- .08			Mc. C.
20		525				500				Mc.
21			100	60		(50)				Mc.
22									Lyman Falls Power Co.	Mc.
23		77	100	100		75				Mc.
24		1,800	2,400	2,800		2,300				Mc. O.
25		300				200	.15- .09	.075- .025		Mc. C.
26										Mc.
27	Private.....	150	100	100	50	140	.10	.05		Mc. C.
28	Do.....	450				730	.20- .08	.075- .0225	Connecticut River Power Co.	Mc. M. C.
29		399				250				Mc. M.
30		165	125	85		115				Mc. M.
31	Private.....	400		450		525	.15- .08	.075- .015		Mc. C.
32	Do.....	1,360				800	.15- .08	.075- .015		Mc. C.
33		375	275	220		240	.10			Mc.
34		400	300	275		575				Mc.
35		470			200	400				Mc.
36										Mc. O.
37		5,900	5,900	4,000		11,030				Mc. O.
38			1,050	2,000		1,500			Manchester Traction, Light & Power Co.	Mc.
39		105				(60)			Keene Gas & Electric Co.	Mc.
40		550	300	500		600				Mc.
41									Laconia Gas & Electric Co.	Mc.
42			1,200	2,000		1,500				Mc. M.
43		1,600				1,500				Mc. M.
44		250	400	900		500				Mc.
45										
46			4,040	10,670		8,000			Bristol Electric Co.	M. Mc.
47										Mc.
48		250	275	225		252				Mc.
49		300	588	1,100		1,012	.15- .066	.10 - .02	Newport Electric Light Co.	Mc. C.
50							.25- .075	.10 - .02		Mc. C.
51		400	350	350		300				Mc.
52	Private.....				25	15	.20			C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## NEW HAMPSHIRE—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
53	Pittsfield Light & Power Co.....	GD.....	Pittsfield.....	Pittsfield.....	Pittsfield.....	
54	Plymouth Electric Light Co.....	GD.....	Plymouth and Holderness..	Plymouth.....	Plymouth.....	
55	Raymond Electric Co.....	GD.....	Raymond.....	Raymond.....	Raymond.....	
56	Salem Light, Heat & Power Co.....	GD.....	Rockingham County.....	Salem.....		
57	Spaulding & Frost Co.....		Fremont.....	Fremont.....	Fremont.....	
	Tenney, C. H., & Co.....	M.....				
58	Concord Electric Co.....	GD.....	Concord.....	Concord.....		Merrimac River.....
59	Exeter, Hampton & Amesbury Street Ry. Co..	T.....		Exeter.....		
60	Exeter & Hampton Electric Co.....	D.....	Rockingham County.....	do.....		
61	Tilton Electric Light & Power Co.....	GD.....	Belknap and Rockingham Counties.	Tilton.....		
62	Tuftonboro Electric Light & Power Co.....	D.....	Tuftonboro.....	Tuftonboro.....		
63	United Mica Co. Light Plant.....	GD.....	Grafton Center.....	Grafton Center.....		
64	Wentworth-Hall Electric Co.....	GD.....	Jackson.....	Jackson.....		
65	Whitefield Electric Light Co.....	D.....	Whitefield.....	Whitefield.....		
66	Wonalancet Electric Co.....	D.....	Wonalancet and Tamworth..	Wonalancet.....		
67	Woodville Aqueduct Corporation.....	GD.....	Woodville.....	Woodville.....		

## B.—MUNICIPAL PLANTS.

68		GD.....	Littleton.....	Littleton.....		
69		GD.....	Wolfeboro.....	Wolfeboro.....	Wolfeboro.....	

## C.—ALL OTHER PLANTS.

70	Berlin Mills Co.....			Berlin.....		Androscoggin River...
71	Do.....			Shelbourne.....		do.....
72	Great Falls Manufacturing Co.....			Somersworth.....		Salmon Falls River...
73	International Paper Co.....	G.....	Manufacturing.....	Glen.....	Berlin.....	Androscoggin River...
74	Do.....		do.....	Winnetoesaukee.....	Franklin Falls.....	Winnetoesaukee River.
75	Nashua Manufacturing Co.....			Nashua.....		Nashua River.....
76	Pacific Mills.....	G.....	Manufacturing.....	Dover.....	Dover.....	Coheco River.....
77	Do.....		do.....	do.....	do.....	
78	Suncook Mills.....			Suncook.....		Suncook River.....

## NEW JERSEY.

## A.—PUBLIC UTILITY PLANTS.

1	American Gas & Electric Co.....	H.....				
2	Atlantic City Electric Co.....	GD.....	Atlantic City and vicinity...	Atlantic City.....	Atlantic City.....	
	Ocean City Electric Light Co.....	GD.....	Ocean City.....	Ocean City.....	Ocean City.....	
3	American Light & Traction Co.....	H.....				
	Consolidated Gas Co. of New Jersey.....	GD.....	Long Branch and vicinity...	Long Branch.....	Long Branch.....	
4	American Railways Co.....	H.....				
	Bridgeton Electric Co.....	GD.....	Bridgeton, Fairton, and vicinity.	Bridgeton.....	Bridgeton.....	
5	Atlantic Coast Electric Ry. Co.....	HGT.....	Atlantic Coast Electric Light Co.	Allenhurst.....	Allenhurst.....	
6	Atlantic Coast Electric Light Co.....	GD.....	Asbury Park and vicinity...	Asbury Park.....		
7	New Jersey Water & Light Co.....	GD.....	Deal.....	Deal.....	Deal.....	
8	Atlantic County Electric Co.....	GD.....	Egg Harbor and Mays Landing.	Egg Harbor.....	Egg Harbor.....	
9	Barstow, W. S., & Co. (Inc.).....	M.....				
10	Eastern Pennsylvania Power Co. of New Jersey.	GD.....	Bernardsville.....	Bernardsville.....	Bernardsville.....	Paulins Kill.....
	Do.....		Columbia, Phillipsburg, and Easton, Pa.	Columbia.....	Columbia.....	
11	Do.....		Dover.....	Dover.....	Dover.....	
12	Jersey Corporation (The).....	GT.....		Boonton.....	Boonton.....	
13	Blairstown Electric Light Co.....	GD.....	Blairstown.....	Blairstown.....		
	Boonton Electric Co.....	D.....				
14	(Lessor, Public Service Co.).....	L.....	Boonton and Mountain Lake	Boonton.....		
15	Branchville Electric Power, Water & Lighting Co..	D.....	Branchville.....	Branchville.....		
16	Butler Gas Lighting & Heating Co.....	GD.....	Butler.....	Bloomington.....	Butler.....	
17	Cape May Light & Power Co. (The).....	GD.....	Cape May and vicinity.....	Cape May.....	Cape May.....	
18	Clayton Development Co.....	GD.....	Clayton.....	Clayton.....	Clayton.....	
19	Clementon Township United Electric Improvement Co.			Laurel Springs.....		
20	Commonwealth Water & Light Co.....	GD.....	Lakewood.....	Lakewood.....		
21	Do.....	GD.....	Summit and vicinity.....	Summit.....	Summit.....	
22	Electric Co. of New Jersey.....	GD.....	Pitman.....	Pitman.....	Pitman.....	
23	Do.....	GD.....	Salem and vicinity.....	Salem.....	Salem.....	
24	Electric Light & Power Co.....	GD.....	Hightstown.....	Hightstown.....	Hightstown.....	
25	Flemington Electric Light, Heat & Power Co.....	GD.....	Flemington.....	Flemington.....	Flemington.....	
26	Hackettstown Electric Light Co.....	GD.....	Hackettstown and vicinity..	Hackettstown.....	Hackettstown.....	
27	Hammonton & Egg Harbor City Gas Co.....	GD.....	Hammonton.....	Hammonton.....	Hammonton.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NEW HAMPSHIRE—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
53	.....	.....	125	100	.....	85	.....	.....	.....	Mc.
54	.....	.....	150	300	.....	110	.....	.....	.....	Mc.
55	.....	.....	100	100	.....	50	.....	.....	.....	Mc.
56	.....	65	300	375	.....	255	.....	.....	.....	Mc.
57	.....	.....	.....	.....	.....	25	.....	.....	.....	C.
58	.....	2,000	1,200	1,000	.....	3,000	.....	.....	.....	Mc. M. O.
59	.....	.....	.....	.....	.....	.....	.....	.....	Rockingham County Light & Power Co.	Mc.
60	.....	.....	.....	.....	.....	.....	.....	.....	Exeter, Hampton & Ames Street Ry. Co.	Mc.
61	.....	575	200	250	.....	500	\$0.12	.....	.....	M. Mc. C.
62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
63	.....	100	100	.....	20	75	.....	.....	.....	Mc.
64	.....	100	45	.....	.....	60	.....	.....	.....	Mc.
65	.....	.....	.....	.....	.....	.....	.....	.....	Bethlehem Electric Light Co.	Mc.
66	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mc.
67	.....	310	130	150	.....	300	.....	.....	.....	Mc.
Total, A.....		48,815	22,351	31,370	1,695	45,734	.....	.....	.....	.....

## B.—MUNICIPAL PLANTS.

68	.....	600	75	.....	.....	300	.....	.....	.....	Mc.
69	.....	.....	160	545	.....	400	.....	.....	.....	Mc.
Total, B.....		600	235	545	.....	700	.....	.....	.....	.....

## C.—ALL OTHER PLANTS.

70	.....	31,700	{	.....	.....	.....	.....	.....	.....	O.
71	.....			.....	.....	.....	.....	.....	.....	O.
72	.....			.....	.....	.....	.....	.....	.....	M. O.
73	Private.....	10,000	3,000	1,600	.....	366	.....	.....	.....	M. O. C.
74	Do.....	5,300	1,560	750	.....	15	.....	.....	Franklin Electric Light & Power Co.	M. C.
75	.....	4,500	.....	.....	.....	.....	.....	.....	.....	M. O.
76	.....	1,500	.....	.....	.....	600	.....	.....	.....	M. O. C.
77	.....	.....	6,500	5,060	.....	2,500	.....	.....	.....	C.
78	.....	3,000	.....	.....	.....	.....	.....	.....	.....	M. O.
Total, C.....		59,000	11,060	7,410	.....	3,481	.....	.....	.....	.....
Grand total.....		108,415	33,646	39,325	1,695	49,915	.....	.....	.....	.....

## NEW JERSEY.

## A.—PUBLIC UTILITY PLANTS.

1	.....	.....	(10,000)	16,700	.....	10,000	.....	.....	.....	M. Mc.
2	.....	.....	1,500	975	.....	1,280	.....	.....	.....	Mc.
3	.....	.....	1,900	3,200	750	3,250	.....	.....	.....	M. Mc.
4	.....	.....	1,950	2,725	.....	2,225	.....	.....	.....	M. Mc.
5	.....	.....	1,662	4,600	.....	3,300	.....	.....	.....	Mc.
6	.....	.....	.....	.....	.....	.....	.....	Atlantic Coast Electric Ry. Co.	.....	Mc.
7	.....	.....	500	350	.....	390	.....	.....	.....	Mc.
8	.....	.....	225	135	.....	103	.....	.....	.....	Mc.
9	.....	.....	350	450	.....	722	.....	.....	.....	Mc.
10	Private.....	1,500	.....	.....	.....	810	.....	.....	.....	M. Mc. P. C.
11	.....	.....	600	700	.....	500	.....	.....	.....	Mc.
12	.....	.....	1,400	2,480	.....	1,800	.....	.....	.....	.....
13	.....	250	.....	.....	.....	(150)	.....	.....	.....	Mc.
14	.....	.....	.....	.....	.....	.....	.....	Morris & Somerset Electric Co.	.....	Mc.
15	.....	160	.....	.....	.....	100	.....	.....	.....	Mc. O.
16	.....	.....	115	215	.....	(200)	.....	.....	.....	Mc.
17	.....	.....	1,700	1,400	.....	725	.....	.....	.....	M. Mc.
18	.....	.....	300	240	.....	(145)	.....	.....	.....	Mc.
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	P.
20	.....	100	(1,000)	1,200	.....	1,010	.....	.....	.....	M. Mc. P.
21	.....	.....	1,000	1,250	.....	1,200	.....	.....	.....	Mc.
22	.....	.....	350	(1,170)	.....	700	.....	.....	.....	M. Mc.
23	.....	.....	500	700	.....	800	.....	.....	.....	M. Mc.
24	.....	.....	125	125	.....	140	.....	.....	.....	Mc.
25	.....	.....	250	275	.....	180	.....	.....	.....	Mc.
26	.....	.....	300	375	.....	240	.....	.....	.....	Mc.
27	.....	.....	300	290	.....	210	.....	.....	.....	M. Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## NEW JERSEY—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
28	Harrison Heights Improvement Co.....	GD.....	Mullica Hill.....	Mullica Hill.....	Mullica Hill.....	
29	Jamesburg Electric Co.....	GD.....	Jamesburg.....	Jamesburg.....	Jamesburg.....	
30	Jersey Central Traction Co.....	H.....				
	Middlesex & Monmouth Electric Light, Heat & Power Co.....	GD.....	Keyport and vicinity.....	Keyport.....	Keyport.....	
31	Lambertville Heat, Light & Power Co.....	GD.....	Lambertville and New Hope, Pa.....	Lambertville.....	Lambertville.....	
32	Milburn Electric Co.....	GD.....	Millburn and vicinity.....	Millburn.....	Millburn.....	
33	Millville Electric Light Co.....	GD.....	Millville.....	Millville.....	Millville.....	Maurice River.....
34	Monmouth Lighting Co.....	GD.....	Freehold, Englishtown, Marlboro.....	Englishtown.....	Englishtown.....	
35	Moore Bros. Glass Co.....			Clayton.....		
36	Morris & Somerset Electric Co..... (Lessor, Public Service Co.).....	GD..... L.....	Morristown and Morris Plains.....	Morristown.....	Morristown.....	
37	New Egypt Light, Heat, Power & Water Co.....	GD.....	New Egypt.....	New Egypt.....	New Egypt.....	
38	New Jersey General Security Co.....	HGD.....		Little Falls.....		
39	Dundee Water Power & Land Co.....			Passaic.....		
40	Society for Establishing Useful Manufactures.....			Paterson.....		
41	Newton Gas & Electric Co.....	GD.....	Newton.....	Newton.....	Newton.....	
42	Ocean Grove Camp Meeting Association.....	GD.....	Ocean Grove.....	Ocean Grove.....	Ocean Grove.....	
43	Penns Grove Electric Light, Heat & Power Co.....	GD.....	Penns Grove and Pedricktown.....	Penns Grove.....	Penns Grove.....	
44	Pennsylvania R. R. Co.....	H.....				
	West Jersey & Seashore R. R. Co.....	GT.....		Westville.....	Westville.....	
45	Pleasantville Heat, Light & Power Co.....	GD.....	Pleasantville and vicinity.....	Pleasantville.....	Pleasantville.....	
46	Point Pleasant Traction Co.....	H.....				
	Point Pleasant Electric Light & Power Co.....	D.....	Point Pleasant and vicinity.....	Point Pleasant.....		
	Public Service Corporation of New Jersey.....	H.....				
47	Public Service Electric Co.....	GD.....	Burlington and Mount Holly.....	Burlington.....	Burlington.....	
48	Do.....	GD.....	Camden and vicinity.....	Camden.....	Camden.....	
49	Do.....	GD.....	Newark and vicinity.....	City Dock.....	Newark.....	
50	Do.....	GD.....	do.....	Coal Street.....	do.....	
51	Do.....	GD.....	Cranford and vicinity.....	Cranford.....	Cranford.....	
52	Do.....	GD.....	Elizabeth.....	Elizabeth.....	Elizabeth.....	
53	Do.....	GD.....	Gloucester.....	Gloucester.....	Gloucester.....	
54	Do.....	GD.....	Hoboken and vicinity.....	Hoboken.....	Hoboken.....	
55	Do.....	GD.....	Jersey City.....	Marion.....	Jersey City.....	
56	Do.....	GD.....	Metuchen.....	Metuchen.....	Metuchen.....	
57	Do.....	GD.....	Milltown.....	Milltown.....	Milltown.....	
58	Do.....	GD.....	Paterson and vicinity.....	Paterson.....	Paterson.....	
59	Do.....	GD.....	Perth Amboy.....	Perth Amboy.....	Perth Amboy.....	
60	Do.....	GD.....	do.....	Plainsboro.....	Plainsboro.....	
61	Do.....	GD.....	Red Bank and vicinity.....	Red Bank.....	Red Bank.....	
62	Do.....	GD.....	do.....	Secaucus.....	Jersey City.....	
63	Public Service Electric Co.....	GD.....	Trenton and vicinity.....	Trenton.....	Trenton.....	
64	(Lessor, Bordentown Electric Co.).....	L.....	Bordentown.....	Bordentown.....	Bordentown.....	
65	(Lessor, Cinnaminson Electric Light, Power & Heating Co.).....	L.....	Riverside and vicinity.....	Riverside.....	Riverside.....	
66	Sayreville Electric Light & Power Co.....	GD.....	Sayreville and vicinity.....	Sayreville.....	Sayreville.....	
67	Sea Isle City Electric Light, Power & Water Co.....	GD.....	Sea Isle City and vicinity.....	Sea Isle City.....	Sea Isle City.....	
68	South Jersey Realty Co.: Stone Harbor Electric Light & Power Co.....			Stone Harbor.....		
69	Taylor-Wharton Iron & Steel Co.....	HGT.....				Raritan River.....
70	Jersey Electric Co.....	D.....	Clinton.....	Clinton.....	Clinton.....	
71	Hunterdon Electric & Power Co.....	D.....	Hunterdon.....	High Bridge.....	Hunterdon.....	
72	Toms River & Island Heights Electric Light & Power Co.....	GD.....	Toms River and vicinity.....	Toms River.....	Toms River.....	
73	Vulcan Electric Light, Heat & Power Co.....			Cape May Courthouse.....		
74	Warren Wood Working Co.....	GD.....	Belvidere.....	Belvidere.....		
75	Washington Electric Co.....	GD.....	Washington.....	Washington.....	Washington.....	
76	Wildwood Electric & Traction Co.....	H.....				
76	West Jersey Electric Co.....	GD.....	Cape May County.....	Wildwood.....	Wildwood.....	
77	Williamstown Electric Co.....	GD.....	Williamstown.....	Williamstown.....	Williamstown.....	
78	Willsbrook Electric Light Co.....	GD.....	Netcong, Standhope, and Port Morris.....	Netcong.....		Willsbrook.....
79	Woodbine Land & Improvement Co.....	GD.....	Woodbine.....	Woodbine.....	Woodbine.....	
80	Woodbourne Electric Light, Heat & Power Co.....	GD.....	Sussex.....	Sussex.....	Sussex.....	
81	Woodstown Ice & Cold Storage Co.....	GD.....	Woodstown and vicinity.....	Woodstown.....	Woodstown.....	

## B.—MUNICIPAL PLANTS.

82		GD.....	Allentown.....	Allentown.....	Allentown.....	
83		D.....	Andover.....	Andover.....	Andover.....	
84		GD.....	Atlantic Highlands.....	Atlantic Highlands.....	Atlantic Highlands.....	
85		GD.....	Chatham.....	Chatham.....	Chatham.....	
86		GD.....	Frenchtown.....	Frenchtown.....	Frenchtown.....	
87		GD.....	Madison.....	Madison.....	Madison.....	
88		GD.....	Orange.....	Orange.....	Orange.....	
89		GD.....	Park Ridge.....	Park Ridge.....	Park Ridge.....	Pascoek Brook.....
90		GD.....	Seaside Park.....	Seaside Park.....	Seaside Park.....	
91		GD.....	Vineland.....	Vineland.....	Vineland.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NEW JERSEY—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
28	Private.....	45			30	30	\$0.15	\$0.08		Mc. P. C.
29			40		50	(30)				Mc.
30			(5,000)	6,400		5,000				M. Mc.
31			300	400		270	.15			M. Mc.
32			900	615		370				P. Mc.
33		150			175	380	.15	.15		Mc. P. C.
34			(500)	(830)		500				M. Mc.
35										P.
36			1,670	4,370		3,150				M. Mc.
37					80	54				Mc.
38		7,200								M. O.
39										M. O.
40						4,830				M. O.
41					550	375				Mc.
42			600	900		950				Mc.
43			200	170		125				Mc.
44			5,728	10,670		8,000				M. Mc.
45			400	800		450				Mc.
46									Lakewood Water, Light & Power Co.	M. Mc.
47			3,600	9,000		6,000				Mc. M.
48			6,600	14,200		8,400				Mc.
49			7,900	13,550		9,450				Mc.
50			6,750	(25,000)		14,875				Mc.
51			3,450	8,150		5,950				Mc.
52			1,800	2,300		1,575				Mc.
53			750	750		675				Mc.
54			4,150	7,700		2,250				Mc.
55			30,000	104,000		78,000				Mc.
56			3,600	4,900		3,000				Mc.
57			660	2,000		1,280				Mc.
58			6,000	13,180		9,600				Mc.
59			4,800	12,000		10,000				Mc.
60			750	900		800				Mc.
61			1,000	3,000		1,600				Mc.
62			3,230	5,000		2,825				Mc.
63			2,850	5,700		4,000				Mc.
64			500	700		615				Mc. M.
65			900	875		740				Mc. M.
66			1,200	2,500		1,200				Mc.
67			500	1,250		570				Mc.
68										
69										Mc. M.
70									Taylor-Wharton Iron & Steel Co.	M. Mc.
71									do.....	M. Mc.
72			450	250		150				Mc.
73										P.
74		80	200	335		210				Mc. P.
75			275	375		279	\$0.1275- .05			M. Mc.
76			1,000	1,800		1,170				M. Mc.
77			(250)	(410)		250				Mc.
78		200			75	210	.12 - .04			Mc. P. C.
79			600	450		325				Mc.
80		150	180	300		(400)				Mc. P.
81			250	300		185				Mc.
Total, A.....		9,835	135,570	305,585	1,710	221,283				

## B.—MUNICIPAL PLANTS.

82					60	25				Mc.
83										Mc.
84			375	250		210			L. S. Mills.....	Mc.
85			300	280		225				Mc.
86			100	100		55				Mc.
87			750	715		500				Mc.
88			900	550		500				Mc.
89	Private.....	112			55	90	\$0.15	\$0.10-\$0.05	Rockland Electric Co.....	Mc. C.
90			(60)	75		50				Mc.
91			400	800		600				Mc.
Total, B.....		112	2,885	2,770	115	2,255				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
NEW JERSEY—Continued.  
C.—ALL OTHER PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
92	Atlantic City & Shore Co.....	H.....				
93	Atlantic & Suburban Ry. Co.....	G.....	Electric railways.....	Pleasantville.....	Pleasantville.....	
94	Bucks County Interurban Ry. Co.....	G.....	Electric railway.....	Newton.....	Newton.....	
95	Do.....		do.....	Yardley.....	Yardley.....	
96	Burlington County Transit Co.....	G.....	Electric railways.....	Hainesport.....	Hainesport.....	
97	Cape May, Delaware Bay & Sewalls Point R. R. Co.....	G.....	Electric railway.....	Cape May City.....	Cape May.....	
98	Millville Traction Co.....	G.....		Millville.....		
99	Morris County Traction Co.....	G.....	Electric railway.....	Chatham.....	Chatham.....	
100	Do.....		do.....	Dover.....	Dover.....	
101	New Jersey Rapid Transit Co.....	G.....	do.....	Sea Isle City.....	Sea Isle City.....	
102	Ocean City Electric R. R. Co.....	G.....	do.....	Ocean City.....	Ocean City.....	
103	Trenton & Mercer County Traction Corporation.....	G.....	do.....	Trenton.....	Trenton.....	

NEW MEXICO.  
A.—PUBLIC UTILITY PLANTS.

1	Alamogordo Electric Light & Power Co.....	GD.....	Alamogordo.....	Alamogordo.....	Alamogordo.....	
2	Artesia Light & Power Co.....	GD.....	Artesia.....	Artesia.....		
3	Aztec Light & Power Co.....	GD.....	Aztec.....	Aztec.....	Aztec.....	Las Animas River.....
4	Ernestine Mining Co.....	GD.....		Mogallon.....	Mogallon.....	
5	Farmington Electric Light & Power Co.....	GD.....		Animas River.....	Farmington.....	Las Animas River.....
6	Federal Light & Traction Co.....	H.....				
7	Albuquerque Electric Power Co.....	GT.....	Albuquerque.....	Albuquerque.....	Albuquerque.....	
8	Albuquerque Gas & Electric Light & Power Co.....	D.....	do.....			
9	Deming Ice & Electric Co.....	GD.....	Deming.....	Deming.....	Deming.....	
10	Las Vegas Light & Power Co.....	GD.....	Las Vegas.....	Las Vegas.....	Las Vegas.....	
11	Las Cruces Electric Light & Ice Co.....	GD.....	Las Cruces and Mesilla.....	Las Cruces.....	Las Cruces.....	
12	Lordsburg Power Co.....	GD.....	Lordsburg.....	Lordsburg.....	Lordsburg.....	
13	Magdalena Ice, Light & Power Plant.....	GD.....	Magdalena.....	Magdalena.....	Magdalena.....	
14	Moro Light & Power Co. (Inc.).....	GD.....	Cleveland.....	Cleveland.....		
15	Peoples Light & Power Co.....	GD.....	Gallup.....	Gallup.....	Gallup.....	
16	Portales Irrigation Co.....	GD.....		Portales.....	Portales.....	
17	Public Utilities Co.....	GD.....	Carlsbad, Otis, and La Huerta.....	Carlsbad.....	Near Carlsbad.....	Pecos River.....
18	Raton Electric Light & Power Co.....	GD.....	Raton.....	Raton.....	Raton.....	
19	Roswell Gas & Electric Co.....	GD.....	Roswell.....	Roswell.....	Roswell.....	
20	Santa Fe Water & Electric Co.....	GD.....	Santa Fe.....	Santa Fe.....		
21	Silver City Power Co.....	GD.....	Silver City.....	Silver City.....	Silver City.....	
22	Socorro Light & Power Co.....	GD.....	Socorro.....	Socorro.....	Socorro.....	
23	Socorro Mining & Milling Co.....	GD.....		Mogallon.....		
24	Southwestern Milling & Electric Co.....	GD.....	San Marcial, Midway, and Milligan.....	San Marcial.....	San Marcial.....	
25	Springer Water & Electric Light Co.....	GD.....		Springer.....		
26	Tucumcari Light & Power Co.....	GD.....	Tucumcari.....	Tucumcari.....	Tucumcari.....	
27	U. S. Reclamation Service.....	GD.....		Elephant Butte.....	S. 30, T. 13 S., R. 3 W.....	

B.—MUNICIPAL PLANTS.

27		GD.....	Clayton.....	Clayton.....		
28		GD.....	Clovis.....	Clovis.....		
29		GD.....	Portales.....	Portales.....		

C.—ALL OTHER PLANTS.

30	Tularosa Copper Co.....		Concentrator.....	Tularosa River.....		Tularosa River.....
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NEW YORK.  
A.—PUBLIC UTILITY PLANTS.

1	Adams Electric Light Co.....	GD.....	Adams and Adams Center ..	Adams.....	Adams.....	
2	Adrian Knitting Co.....	GD.....	Sauquoit.....	Sauquoit.....		
3	Afton-Windsor Light, Heat & Power Co.....	GD.....	Center, Afton, and Windsor.....	Center Village.....	Center Village.....	
4	Albany Southern R. R. Co.....	GTD.....	Columbia and Rensselaer Counties.....	Stuyvesant Falls.....	Stuyvesant Falls.....	Kinderhook Creek.....
5	Aluminum Co. of America.....	H.....				
6	Massena Electric Light & Power Co.....	D.....	Massena.....	Massena.....		
7	St. Lawrence River Power Co.....	GTD.....	Massena Electric Light & Power Co.....	do.....		St. Lawrence River.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NEW JERSEY—Continued.

## C.—ALL OTHER PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power or gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
92			900	1,200		800				M. Mc.
93			600	(930)		560				M. Mc.
94			1,186	(3,000)		1,800				Mc.
95			750	800		600				M. Mc.
96			(600)	800		600				M. Mc.
97										M. Mc.
98			1,250	1,800		1,360				M. Mc.
99										
100			500	400		200				M. Mc.
101			1,100	1,025		262				Mc.
102			3,600	9,500		6,350				M. Mc.
Total, C.....			10,486	19,455		12,532				
Grand total.....		9,947	150,941	327,810	1,825	236,070				

## NEW MEXICO.

## A.—PUBLIC UTILITY PLANTS.

1			200	225		180				Mc. C.
2			100	65		50				Mc.
3		100	80	60		260				C. Mc. O.
4						300				C.
5						50				O. C.
6			1,576	2,608		1,725				C.
7									Albuquerque Electric Power Co.	M. Mc.
8	Private.....		975	1,150		1,062	\$0.144-\$0.10	\$0.03-\$0.025		C. Mc.
9			700	1,400		925				Mc.
10	Private.....		280	185		150	.15	.08		C. Mc.
11	Do.....		300	250		250	.20 - .06	.06		C. Mc.
12			225	127		50				Mc.
13			70	45		15				Mc.
14	Private.....		250	350		175	.125- .05	.06 - .0375	Victor American Fuel Co.....	C.
15						1,000				C.
16		350				150	.12 - .10	.05		C. M.
17	Private.....		450	425		350	.125- .05	.05 - .04		C. Mc.
18			600	1,650		1,350	.14 - .07	.035- .005		C. M. Mc.
19		102	450	445		575				Mc.
20			250	460		400	.15			C. M. Mc.
21			170	265		150				C. Mc.
22						960				C.
23	Private.....		125	100		50	.20			C. Mc.
24						25				O.
25			200	350		285				C. Mc.
26				2,500		1,875				C. O.
Total, A.....		552	7,001	12,660		12,362				

## B.—MUNICIPAL PLANTS.

27					180	150				Mc.
28			300	300		210				Mc.
29					205	125				Mc.
Total, B.....			300	300	385	485				

## C.—ALL OTHER PLANTS.

30			196							O.
Total, C.....			196							
Grand total.....		552	7,497	12,960	385	12,847				

## NEW YORK.

## A.—PUBLIC UTILITY PLANTS.

1		125	200	150		100			Northern New York Utilities Co.	Mc.
2		125				35				Mc.
3		400	300	300		400				Mc.
4		5,500	2,550	4,750		4,800				Mc. M. C.
5									St. Lawrence River Power Co.	Mc. M.
6		40,000				(24,000)				Mc. M. O.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## NEW YORK—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
7	American Gas Co..... Kingston Gas & Electric Co.....	H..... GD.....	Kingston, Esopus, and Hurley.	Kingston.....	Kingston.....	
8	Ulster Electric Light, Heat & Power Co.....	GD.....	Ulster and Saugerties.....	Saugerties.....	Saugerties.....	
9	American Waterworks & Electric Co.....	H.....				
10	Wellsville Electric Light, Heat & Power Co.....	GD.....	Wellsville.....	Wellsville.....	Wellsville.....	
11	Antwerp Light & Power Co.....	GD.....	Antwerp.....	Antwerp.....		
11	Ardsey Electric Co.....	G.....	Ardsey-on-Hudson.....	Ardsey-on-Hudson.....	Ardsey-on-Hudson.....	
12	Ausable Valley Light, Heat & Power Co.....	GD.....	Keene.....	Keene.....		
13	Barstow, W. S., & Co..... Binghamton Light, Heat & Power Co.....	M..... GD.....	Binghamton, Lestershire, and vicinity.	Binghamton.....	Binghamton.....	
14	Sayre Electric Co.....	GD.....	Sayre, Athens, and vicinity.	Sayre.....	Sayre.....	
15	Bath Electric & Gas Light Co.....	GD.....	Bath.....	Bath.....	Bath.....	Cohnocton River.
16	Berlin Electric Light, Heat & Power Co.....	GD.....	Berlin and Petersburg.....	Berlin.....	Berlin.....	Lake Kendall and Hammond Swamp.
17	Bouquet Electric Power Co.....	GD.....	Essex and Kilisboro.....	Essex.....		
18	Brasher Falls Electric Light Plant.....	GD.....	Brasher Falls and Winthrop.	Brasher Falls.....		
19	Cattaraugus Electric Light & Power Co.....	GD.....	Cattaraugus.....	Cattaraugus.....	Cattaraugus.....	Cattaraugus Creek.
20	Cayadutta Generating Co.....	GD.....	Fonda and Fulton.....	Fonda.....	Berryville.....	Cayadutta Creek.
21	Cazenovia Electric Co.....	GD.....	Cazenovia.....	Cazenovia.....	Cazenovia.....	Chattenango Creek.
22	Champlain Electric Co.....	GD.....	Champlain.....	Champlain.....		Big Chazy River.
23	Chasm Power Co.....	GD.....	Allegany, Franklin, and Madison Counties.	Chateaugay.....	Chateaugay.....	Chateaugay River.
24	Chatham Electric Light, Heat & Power Co.....	GD.....	Columbia County.....	Chatham.....	Chatham.....	Steinkill Creek.
25	Cohoes Co.....	GD.....	Cohoes.....	Cohoes.....	Cohoes.....	Mohawk Creek.
26	Cohoes Gas Light Co..... Cohoes Electric Light Co.....	H..... GD.....	Cohoes, Northside, and Colony.	do.....	do.....	Mohawk River.
27	Consolidated Electric Co.....	GD.....	Washington County.....	Middle Falls.....		
28	Consolidated Gas Co. of New York.....	H.....				
29	New York Edison Co., The..... New York & Queens Electric Light & Power Co.....	GTD..... GD.....	New York..... Queens and vicinity.....	New York..... Queens.....	New York..... Queens.....	
30	Northern Westchester Lighting Co.....	GD.....	Ossining and vicinity.....	Ossining.....	Ossining.....	
31	Third Avenue Ry. Co.....	GTD.....	New York.....	New York.....	New York.....	
32	United Electric Light & Power Co.....	GD.....	do.....	do.....	do.....	
33	Westchester Lighting Co.....	GD.....	Mount Vernon, New Rochelle, Port Chester, White Plains, Tarrytown, and Mount Kisco districts.	Mount Kisco.....		
34	Do.....		do.....	New Rochelle.....		
35	Do.....		do.....	Tarrytown.....		
36	Deer River Power Co.....	GD.....	Carthage and Copenhagen.....	Copenhagen.....	Copenhagen.....	Deer River.
37	Delaware & Otsego Light & Power Co.....	GD.....	Franklin and Otsego.....	Franklin.....	Sidney.....	Ouleant Creek.
38	Deposit Electric Co.....	GD.....	Broome and Delaware Counties.	Deposit.....		
39	East Aurora Electric Light Co.....	GD.....	East Aurora and Wales Center.	East Aurora.....	East Aurora.....	Cazenovia Creek.
40	East Creek Electric Light & Power Co.....	GTD.....	Montgomery and Herkimer Counties.	East Creek.....	East Creek.....	East Canada Creek.
41	Do.....			Inghams Mills.....	Inghams Mills.....	do.
42	Eaton-Morrisville Power Co.....	GD.....	Eaton.....	Eaton.....		
43	Do.....		Morrisville.....	Morrisville.....		
44	Elizabethtown Electric Light Plant.....	GD.....	Elizabethtown.....	Elizabethtown.....		
45	Empire Coke Co..... Central New York Gas & Electric Co.....	H..... GD.....	Geneva, Phelps, Waterloo, Newark, Palmyra, Clyde, Lyons, Seneca Falls, and vicinity.	Geneva.....	Geneva.....	
46	Do.....		do.....	Lyons.....		
47	Do.....		do.....	Newark.....	Newark.....	
48	Empire Gas & Electric Co.....	GD.....	Auburn.....	Auburn.....	Auburn.....	
49	Farley, Geo., Light Plant.....	GD.....	Forestport.....	Forestport.....		Black River.
50	Fort Covington Light, Heat & Power Co.....	GD.....	Fort Covington.....	Fort Covington.....	Fort Covington.....	Salmon.
51	Fulton Light, Heat & Power Co.....	GD.....	Fulton, Volney, and Granby.	Fulton.....	Fulton.....	
52	Genesee Valley Power Co.....	GD.....	Wyoming and Allegany Counties.	Mills Mills.....	Fillmore.....	Wisecoy Creek.
53	General Electric Co..... Hoosac River Electric Light & Power Co.....	H..... D.....	Schenectady.....	Schenectady.....		
54	Schenectady Power Co.....	GTD.....	Schaghticoke, Valley Falls, and Jacksonville, N. Y.	Johnsonville.....	Schaghticoke.....	Hoosick River.
55	Do.....		do.....	Schaghticoke.....	do.....	do.
56	Gibson, G. N., & Sons.....	GD.....	West Stockholm.....	West Stockholm.....	West Stockholm.....	St. Regis River.
57	Gould, G. H. P.....	D.....	Lyon Falls and Turin.....	Lyons Falls.....	Lyons Falls.....	Black River.
58	Great Bear Light & Power Co.....	GD.....	Otsego and Schoharie Counties.	East Worcester.....	East Worcester.....	Oak Creek.
59	Gowanda Light & Power Co.....	GD.....	Gowanda.....	Gowanda.....		
60	Hamblin, E. S., & Co.....	GD.....	Oriskany Falls.....	Oriskany Falls.....	Oriskany Falls.....	Oriskany Creek.
61	Hanford Bros.....	GD.....	East Meredith.....	East Meredith.....	East Meredith.....	Kartright Creek.
62	Hannawa Falls Water Power Co.....	GTD.....	St. Lawrence Co.....	Hannawa Falls.....		Racquette River.
63	Henderson Electric Light & Power Co.....	GD.....	Henderson and Henderson Harbor.	Henderson.....		
64	Holmes Milling Co.....	GD.....	Downsville.....	Downsville.....		
65	Honk Falls Power Co.....	GTD.....	High Falls.....	Ellenville.....		Rondont Creek.



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NEW YORK—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
7			650	700		500			Honk Falls Power Co.	Mc.
8			250	275		190				Mc.
9			300	360	150	280				Mc.
10		200				150				Mc. M.
11							\$0.18 - \$0.10		Westchester Lighting Co.	Mc. M. C.
12		150				120				Mc.
13			1,500	5,000		3,500				Mc.
14			900	2,700		1,160				Mc.
15	Private	100	200	250		195	.18 - .12	\$0.10 - \$0.035		Mc. M. C.
16	Do.	150				75	.15	.045 - .02		Mc. C.
17		140				100				Mc.
18		200				30				Mc.
19	Private	100			60	75	.07	.07		Mc. C.
20	Do.	190	100	125		100	.10 - .04	.10 - .015	Fulton County Gas & Electric Co.	Mc. C.
21	Do.	94	210	265		232½	.12 - .05	.05		Mc. C.
22	Do.	100			60	75	.10			Mc. C.
23	Do.	1,200				783	.10			Mc. C.
24	Do.	160	400	545		420	.15 - .075	.08 - .02		Mc. M. C.
25		30,000				27,000				O. C.
26	Private	1,500				1,500	.075 - .045	.01		Mc. C.
27		1,500				1,000				Mc. M.
28			122,822	347,650		268,000				Mc. M.
29			5,000	10,750		7,500				Mc.
30			1,450	2,000		1,500				Mc.
31			15,000	50,000		32,000				Mc.
32			20,800	60,000		45,000				Mc.
33										Mc.
34			4,532	11,495		9,435				Mc.
35										Mc.
36	Private	1,050				825	.12 - .02			Mc. C.
37	Do.	500				75	.15 - .06	.15 - .06		Mc. C.
38		450	225	385		450	.15 - .06	.08 - .02		Mc. M.
39	Private	150	230	160		225	.11 - .05	.08 - .03		Mc. C.
40	Do.	2,000				950	.08 - .02	.05 - .01	Fonda, Johnstown & Gloversville R. R. Co.	Mc. M. O. C.
41	Do.	8,000				5,000	.08 - .02	.05 - .01	Utica Gas & Electric Co.	Mc. M. C.
42		350	100	100		150				Mc.
43		100				60				Mc.
44										Mc.
45			1,500	2,000		1,500				Mc.
46		150	500	800		350			Niagara, Lockport & Ontario Power Co.	Mc. M.
47			600	800		560				Mc.
48			2,000	2,830		2,000			Niagara, Lockport & Ontario Power Co.	Mc.
49	Private	40			30	17½	.10			Mc. C.
50		400				85				Mc. C.
51		1,100	(1,500)	1,667		2,270				Mc.
52		200				300	.09	.05 - .03		Mc. C.
53										Mc. M.
54		6,000				3,600	.12	.05 - .01		Mc. M. O. C.
55		25,000				12,000	.12	.05 - .01		Mc. M. C.
56		25				(15)				Mc. C.
57							.08	.08	Gould Paper Co.	Mc. C.
58	Private	150	160	150		190	.15 - .10			Mc. C.
59		225			145	132½				Mc.
60	Private	90			65	55	.10			Mc. C.
61	Do.	10			8	8				C.
62		4,250				3,000				Mc. O.
63		178				50				Mc.
64	Private	34			30	33	.10			Mc. C.
65		3,600				2,100				Mc. O.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
NEW YORK—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
66	Hydraulic Power Co. of Niagara Falls.....	HGTD..	Aluminum Co. of America...	Niagara Falls, No. 2...	Niagara Falls.....	Niagara River.....
67	Do.....	.....	Niagara Falls.....	Niagara Falls, No. 3...	do.....	do.....
68	Cliff Electric Distributing Co.....	D.....	do.....	Theresa.....	Theresa.....	Indian River.....
69	Hydro-Electric Power Co.....	GD.....	Theresa.....	Theresa.....	Theresa.....	Indian River.....
70	Jordan Electric Light & Power Co.....	GD.....	Jordan and Elbridge.....	Jordan.....	do.....	do.....
71	Juengst, Geo., & Sons.....	GD.....	Westchester and Putnam Counties.	Croton Falls.....	North Salem.....	East Branch Croton River.
	Kings Co. Electric Light & Power Co.....	H.....	Brooklyn.....	East River.....	Brooklyn.....	do.....
72	Edison Electric Illuminating Co. of Brooklyn..	GD.....	do.....	Sixty-sixth Street.....	Bay Ridge.....	do.....
73	Do.....	GD.....	do.....	do.....	do.....	do.....
74	Amsterdam Light, Heat & Power Co.....	D.....	Le Roy and vicinity.....	Le Roy, No. 1.....	Le Roy.....	Oatka River.....
75	Le Roy Hydraulic Electric Gas Co.....	GD.....	do.....	do.....	do.....	do.....
76	Livingston Manor Electric Co.....	GD.....	Sullivan County.....	Livingston Manor.....	Amityville.....	do.....
77	Long Island Lighting Co.....	GD.....	Amityville, Brentwood.....	Amityville.....	Amityville.....	do.....
78	Do.....	GD.....	Islip, Centerport, Northport, Sayville, Bayport, and vicinity.	Islip.....	Islip.....	do.....
79	Do.....	GD.....	do.....	Northport.....	Northport.....	do.....
80	Do.....	GD.....	do.....	Sayville.....	Sayville.....	do.....
81	Madrid Electric Light Plant.....	GD.....	Madrid.....	Madrid.....	do.....	do.....
82	Malone Light & Power Co.....	GD.....	Franklin County.....	Chasm Falls.....	Malone.....	Solomon River.....
83	Do.....	GD.....	do.....	Malone, No. 1.....	do.....	do.....
84	Do.....	GD.....	do.....	Malone, No. 2.....	do.....	do.....
85	Do.....	GD.....	do.....	Malone, No. 3.....	do.....	do.....
86	Do.....	GD.....	do.....	Malone, No. 4.....	do.....	do.....
87	Mechanicsville Electric Light & Gas Co.....	GD.....	Middleville.....	Mechanicsville.....	Newport.....	West Canada Creek...
88	Middleville Electric Light Co.....	GD.....	do.....	Middleville.....	do.....	do.....
	Middle West Utilities Co.....	H.....	Rensselaer County.....	Hoosick Falls.....	Hoosick.....	Hoosick River.....
89	Twin State Gas & Electric Co.....	GD.....	Ephratah.....	Ephratah.....	do.....	Gacoga Creek.....
90	Mohawk Hydro-Electric Co.....	GD.....	Moravia.....	Moravia.....	Moravia.....	Dutch Creek.....
91	Moravia Electric Light, Heat & Power Co.....	GD.....	Mount Norris.....	Mount Norris.....	Mount Norris.....	do.....
92	Mount Norris Illuminating Co.....	GD.....	do.....	do.....	do.....	do.....
93	Nelson, F. L.....	GD.....	Deansboro.....	Deansboro.....	Deansboro.....	Oriskany Creek.....
94	New Berlin Light & Power Co.....	GD.....	New Berlin.....	New Berlin.....	New Berlin.....	do.....
95	Newfane Electric Co.....	GD.....	Newfane, Burt, and Olcott.....	Newfane.....	Newfane.....	do.....
96	Newport Electric Light & Power Co.....	GD.....	Newport.....	Newport.....	Newport.....	West Canada Creek...
	New York Central & Hudson River R. R. Co.....	H.....	East Rochester, Victor, Rochester.	do.....	do.....	do.....
97	Despatch Heat, Light & Power Co.....	D.....	Manchester, Shortsville.....	Rochester.....	Hopewell.....	Canandaigua.....
98	Eastern Monroe Electric Light & Gas Co.....	D.....	Penfield, Pittsford, Brighton.	Littleville.....	Rochester.....	Genesee River.....
99	Ontario Light & Traction Co.....	GTD.....	Canandaigua, Chapin, and Sales.	Rochester.....	do.....	do.....
100	Rochester Railway & Light Co.....	GTD.....	do.....	do.....	do.....	do.....
101	New York & Ontario Power Co.....	GTD.....	Waddington.....	Waddington.....	Waddington.....	Niagara River.....
102	Niagara Falls Power Co., The.....	HGTD..	Niagara Falls, Buffalo, La Salle.	Niagara Falls.....	Niagara Falls.....	do.....
103	Tonawanda Power Co.....	D.....	Tonawanda.....	do.....	do.....	do.....
	Niagara, Lockport & Ontario Power Co.....	GTD.....	Buffalo.....	Orwell.....	Orwell.....	Salmon River.....
104	(Lessor, Salmon River Power Co.).....	L.....	Treadwell.....	Treadwell.....	do.....	do.....
105	Niven, T. H.....	GD.....	do.....	do.....	do.....	do.....
106	North Creek Electric Co.....	GD.....	North Creek.....	North Creek.....	do.....	do.....
107	Northern Adirondack Power Co.....	GD.....	Keeseville, Peru, Ausable Chasm, and Port Kent.	Ausable Chasm.....	Ausable Chasm.....	do.....
108	Do.....	GD.....	do.....	Keeseville.....	Keeseville.....	do.....
109	Northern New York Utilities (Inc.).....	GD.....	Watertown, Carthage, Dexter, Brownville, Sacketts Harbor, Glen Park, Great Bend, Evans Mills, and Natural Bridge.	Black River.....	do.....	do.....
110	Do.....	GD.....	do.....	Dexter.....	do.....	do.....
111	Do.....	GD.....	do.....	Effley Falls.....	do.....	do.....
112	Do.....	GD.....	do.....	South Edwards.....	do.....	do.....
113	Do.....	GD.....	do.....	Taylorville.....	do.....	do.....
114	Do.....	GD.....	do.....	Watertown.....	do.....	do.....
115	Norwood Electric Light & Power Co.....	GD.....	Norwood and Norfolk.....	Norwood.....	Yaleville.....	Racquette River.....
116	Oneonta Light & Power Co.....	GD.....	Oneonta.....	Oneonta.....	do.....	Susquehanna River...
117	Orcutt, B. L., & Sons (Inc.).....	GD.....	Dickenson Center.....	Dickenson Center.....	do.....	do.....
118	Oswegatchie Hydraulic Power Co.....	G.....	South Edwards.....	South Edwards.....	South Edwards.....	Oswegatchie River.....
119	Oswegatchie Light & Power Co.....	GD.....	Gouverneur and Hailesboro.	Gouverneur.....	do.....	do.....
120	Otsego & Herkimer R. R. Co.....	GD.....	Milford, Hartwick and vicinity.	Colliersville.....	Milford.....	Susquehanna River...
121	Ovid Electric Co.....	GD.....	Ovid, Interlaken, and Sheldrake.	Ovid.....	do.....	do.....
122	Owego Light & Power Co.....	GD.....	Owego.....	Owego.....	Owego.....	Owego Creek.....
123	Panama Power Co.....	GD.....	Panama.....	Panama.....	do.....	do.....
124	Paul Smiths Electric Light & Power & Railroad Co.	GTD.....	Saranac Lake, Lake Clear, Bloomingdale, Gabriels, Rainbow, and Paul Smiths.	Franklin Falls.....	do.....	do.....
125	Do.....	GTD.....	do.....	Saranac Lake.....	do.....	do.....
126	Do.....	GTD.....	do.....	Union Falls.....	do.....	do.....
127	Phillips, W. J.....	GD.....	Manlius and Chittenango....	Manlius.....	do.....	Limestone Creek.....
128	Phoenix Fuel, Light & Water Co.....	GTD.....	Shushan.....	Shushan.....	do.....	do.....
129	Piser, L. C., & Sons.....	GD.....	Plattsburg.....	Indian Rapids.....	Plattsburg.....	Battenkill.....
130	Plattsburg Gas & Electric Co.....	GD.....	do.....	Plattsburg.....	do.....	Saranac River.....
131	Do.....	GD.....	do.....	do.....	do.....	do.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NEW YORK—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
66	Private.....	23,600				(14,100)	(1)			M. O. C.
67	Do.....	130,000				89,400	(1)			Mc. C.
68									Hydraulic Power Co.....	Mc.
69		1,800				1,240				Mc. C.
70		150	250	60		120				Mc.
71	Private.....	835			150	535	\$0.10-\$0.05	\$0.10-\$0.015		Mc. C.
72										
73			35,300	74,670		55,550				(Mc.
74										Mc.)
75	Private.....	410	850	635		1,213	.11- .02	.08- .02		Mc. M. C.
76		130	180	120		65				Mc.
77			300	350		347				Mc.
78					100	(60)				Mc.
79			900	2,630		1,905				Mc.
80			210	350		360				Mc.
81		75	125	50		60				Mc.
82	Private.....	3,000				2,500	.10		Chasm Power Co.....	Mc. C.
83	Do.....	685				425	.10			Mc. C.
84	Do.....	800				450	.10			Mc. C.
85	Do.....		250	250		180	.10			Mc. C.
86	Do.....	175				75	.10			Mc. C.
87		200	300	225		350				Mc.
88	Private.....	120			40	50	.10			Mc. C.
89	Do.....	720	500	350		550	.14- .07	.06- .02		Mc. M. C.
90		6,000				3,750				Mc. M.
91	Private.....	200	125	125		240	.125			Mc. C.
92		150				120				Mc.
93	Do.....	50				42	.10	.10		Mc. C.
94		80	110	100		120				Mc.
95		130	350	420		350				Mc.
96	Private.....	225				150	.15	.045		Mc. C.
97	Do.....						.10- .005	.10- .005	New York State Railways....	Mc. M. C.
98	Do.....						.08	.005	Rochester Railway & Light Co.	Mc. M. C.
99		325				185				C.
100	Private.....	22,000	18,000	44,000		43,950	.08- .004	.08- .004	Niagara, Lockport, & Ontario Power Co.	Mc. M. O. C.
101		50				32				
102		115,000				86,000			Canadian Niagara Power Co....	Mc. C. O.
103									Niagara Falls Power Co.....	Mc. C.
104		40,000				31,680				
105		26				(15)				Mc.
106		300				200				Mc. M.
107										Mc.
108		500				400				Mc.
109										Mc.
110										Mc.
111										Mc.
112		12,160	1,300	2,300		10,180				Mc.
113										Mc.
114										Mc.
115	Private.....	400	300	300		420	.19- .05	.07- .03		Mc. C.
116	Do.....	500	300	550		435	.10- .06			Mc. M. C.
117		75				30				Mc.
118	Private.....	3,400				1,250				Mc. O. C.
119		800				420			Hannawa Falls Water Power Co.	Mc.
120	Private.....	4,000				2,540		0.02		Mc. M. C.
121		200	250	250	100	450				Mc.
122	Private.....	200	400	925		725	.15- .05	0.05- .02		Mc. C.
123		90	80	30		30				Mc.
124										Mc. M. O.
125		4,500			100	3,000				
126										Mc. M.
127	Private.....	216				115			Niagara Falls Power Co.....	Mc. C.
128										Mc.
129	Private.....	60				33	.10- .04			Mc. C.
130	Do.....	1,248				600	.10- .02			Mc. M. C.
131	Do.....	615	719	615		1,120	.10- .02			M. C.

1 Owned by customers.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## NEW YORK—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
132	Port Henry Light, Heat & Power Co.....	GD.....	Essex County.....	Port Henry.....	Port Henry.....	Mill Brook.....
133	Port Leyden Electric Light & Power Co.....	GD.....	Port Leyden.....	Port Leyden.....	Port Leyden.....	Port Leyden.....
134	Potsdam Electric Light & Power Co.....	GD.....	Potsdam.....	Potsdam.....	Potsdam.....	Potsdam.....
135	Rensselaer Falls Electric Light & Power Co.....	GD.....	Rensselaer Falls and De Kalb Junction.	Rensselaer Falls.....	Rensselaer Falls.....	Oswegatchie River.....
136	Riverhead Electric Light Co.....	GD.....	Riverhead.....	Riverhead.....	Riverhead.....	Peconic River.....
137	St. Lawrence Gas, Electric & Transportation Co.....	H.....	Ogdensburg.....	Ogdensburg.....	Ogdensburg.....	Oswegatchie River.....
138	Ogdensburg Power & Light Co.....	GD.....	St. Regis Falls.....	St. Regis Falls.....	St. Regis Falls.....	St. Regis River.....
139	St. Regis Light & Power Co.....	GD.....	Salem.....	Salem.....	Salem.....	Battenkill River.....
140	Salem Light, Heat & Power Co.....	GD.....	Baldwinsville and Phoenix	Baldwinsville.....	Baldwinsville.....	Baldwinsville.....
141	Seneca River Power Co.....	GD.....	Parishville.....	Parishville.....	Parishville.....	Parishville.....
142	Sherman, A., Lumber Co.....	GD.....	Solsville, Madison, and Bouchville.	Solsville.....	Solsville.....	Oriskany Creek.....
143	Solsville Electric Light & Power Plant.....	GD.....	Beacon & Glenham.....	Beacon.....	Beacon.....	Beacon.....
144	Southern Dutchess Gas & Electric Co.....	GD.....	Unadilla, Sidney, and Bainbridge.	Sidney.....	Sidney.....	Susquehanna River.....
145	Standard Light, Heat & Power Co.....	GD.....	Albany, Montgomery, Warren, Saratoga, Madison, and Oneida Counties.	Mechanicsville.....	Mechanicsville.....	Hudson River.....
146	Stone & Webster Management Association.....	M.....	do.....	Schoharie Falls.....	Schoharie Falls.....	Schoharie Creek.....
147	Adirondack Electric Power Corporation.....	GTD.....	do.....	Spier Falls.....	Spier Falls.....	Hudson River.....
148	Do.....	GTD.....	do.....	Utica.....	Utica.....	Utica.....
149	Swett, A. L., Light & Power Co.....	GD.....	Medina, Yates, Knowlesville, Eagle Harbor, Clarkson, and vicinity.	Medina.....	Medina.....	Eighteen Mile Creek.....
150	Do.....	GD.....	do.....	Waterport.....	Waterport.....	Waterport.....
151	Taylor Chemical Co.....	H.....	Penn Yan and Milo.....	Penn Yan.....	Milo.....	Milo.....
152	Yates Electric Light & Power Co.....	GD.....	Oswego and Minetto.....	Oswego.....	Oswego.....	Oswego.....
153	Tenney, C. H., & Co.....	M.....	Hillburn, Nyack, Piermont, Tappan, Orangeburg and vicinity.	Hillburn.....	Hillburn.....	Hillburn.....
154	Peoples Gas & Electric Co.....	GD.....	do.....	Orangeburg.....	Orangeburg.....	Orangeburg.....
155	Rockland Light & Power Co.....	GD.....	Tuxedo Park.....	Tuxedo Park.....	Tuxedo Park.....	Tuxedo Park.....
156	Do.....	GD.....	Vernon.....	Vernon.....	Vernon.....	Vernon.....
157	Union Electric Co.....	GD.....	Whitney Point.....	Whitney Point.....	Whitney Point.....	Otselie River.....
158	United Gas & Electric Corporation of Connecticut.....	H.....	Elmira and vicinity.....	Elmira.....	Elmira.....	Elmira.....
159	Elmira Water, Light & Railroad Co.....	GTD.....	Lockport.....	Lockport.....	Lockport.....	Barge Canal.....
160	Lockport Light, Heat & Power Co.....	GD.....	Johnstown and Gloversville.	Gloversville.....	Gloversville.....	Gloversville.....
161	United Gas Improvement Co.....	H.....	do.....	do.....	Johnstown.....	Cayadutta Creek.....
162	Fulton County Gas & Electric Co.....	GD.....	Syracuse and vicinity.....	Syracuse.....	Syracuse.....	Syracuse.....
163	Do.....	GD.....	Catskill, Athens and vicinity.	Catskill.....	Catskill.....	Schoharie Creek.....
164	Syracuse Lighting Co.....	GD.....	Dolgeville, Rome, Frankport, Whitesboro, Yorkville, New Hartford, Deerfield and vicinity.	Dolgeville.....	Dolgeville.....	East Canada Creek.....
165	Upper Hudson Electric & Railroad Co.....	GTD.....	do.....	Little Falls.....	Little Falls.....	Mohawk River.....
166	Utica Gas & Electric Co.....	GD.....	do.....	Trenton Falls.....	Trenton Falls.....	West Canada Creek.....
167	Do.....	GD.....	Whitehall.....	Whitehall.....	Whitehall.....	Whitehall.....
168	Consolidated Light & Power Co.....	D.....	Glens Falls.....	Glens Falls.....	Glens Falls.....	Glens Falls.....
169	Glens Falls Gas & Electric Co.....	GD.....	Wadhams, Westport, and Mineville.	Wadham, No. 1.....	Wadham, No. 1.....	Boquet River.....
170	Wadhams & Westport Electric Light & Power Co.....	GD.....	Mineville.....	Wadham, No. 2.....	Wadham, No. 2.....	Black River.....
171	Do.....	GD.....	Corinth, Lucerne, and Palmer Falls.	Curtis Mill.....	Corinth.....	Hudson River.....
172	Warren Curtis Manufacturing Co.....	GD.....	Warrensburg.....	Warrensburg.....	Warrensburg.....	Schroon River.....
173	Warrensburg Electric Light Works.....	GD.....	Stamford, Hobart and vicinity.	South Kortright.....	Stamford.....	Roses Brook.....
174	West Branch Light & Power Co.....	GD.....	Lowville, Croghan and vicinity.	Lowville.....	Lowville.....	Lowville.....
175	Wetmore Electric Co.....	GD.....	Ithaca.....	Ithaca.....	Ithaca.....	Ithaca.....
176	White, J. G., & Co. (Inc.).....	H.....	Norwich.....	Norwich.....	Norwich.....	Norwich.....
177	Ithaca Electric Light & Power Co.....	GD.....	Oxford.....	Oxford.....	Oxford.....	Oxford.....
178	Norwich Gas & Electric Co.....	GD.....	Worcester.....	Worcester.....	Worcester.....	Worcester.....
179	Do.....	GD.....	do.....	do.....	do.....	do.....
180	Worcester Electric Light Plant.....	GD.....	do.....	do.....	do.....	do.....
181	140 additional fuel power plants.....					

## B.—MUNICIPAL PLANTS.

319	Boonville.....	GD.....	Boonville.....	Boonville.....	Boonville.....	Black River.....
320	Lake Placid.....	GD.....	Lake Placid.....	Lake Placid.....	Lake Placid.....	Chubb River.....
321	Philadelphia.....	GD.....	Philadelphia.....	Philadelphia.....	Philadelphia.....	Philadelphia.....
322	Potsdam.....	GD.....	Potsdam.....	Potsdam.....	Potsdam.....	Racquette River.....
323	Springville and New Ashford	GD.....	Springville.....	Springville.....	Springville.....	Springville.....
324	Theresa.....	GD.....	Theresa.....	Theresa.....	Theresa.....	Theresa.....
325	41 additional fuel power plants.....					
365						



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NEW YORK—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
132	Private.....	200	150	150		150	\$0.15	\$0.065-\$0.0225		Mc. C.
133		230				105				Mc.
134		3,000				1,000				Mc.
135	Private.....	125				100	.10			Mc. C.
136	Do.....	100	450	425		335	.15	.10 - .05		Mc. C.
137		400	1,000	500		550	\$0.112- .075	.053- .013		Mc. M. C.
138	Private.....	320				225				Mc. M. C.
139	Do.....	332				150	.15 - .10	.04 - .02		Mc. C.
140		150				420				Mc. M.
141		60				35				Mc. O.
142	Private.....	90			60	75	.10	.05		Mc. C.
143		400	800	800		1,200				Mc. M.
144	Private.....	429	600	800		700				Mc. M. C.
145	Do.....	7,300	1,000	1,000		5,250	.10 - .05	.08 - .0067	Delaware & Hudson R. R. Co.	Mc. O. C.
146	Do.....	2,000				1,300	.10 - .05	.08 - .0067	Municipal Gas Co.	Mc. O. C.
147	Do.....	36,500				16,500	.10 - .05	.08 - .0067	Troy Gas Co.	Mc. O. C.
148	Do.....		6,000	8,000		6,000	.12 - .05	.08 - .008		C.
149		3,050	300	250		2,350			Niagara, Lockport & Ontario Power Co.	Mc. M. O.
150										Mc.
151	Private.....	530	400	350		450				Mc. M. C.
152		1,085	1,400	1,870		2,100	.10 - .07			Mc. M.
153			1,250	670	1,975	2,000				Mc.
154			3,050	5,300	1,355	4,550				Mc.
155		100	450	450		375				Mc.
156		(20)				11				Mc.
157	Private.....	60				25	.10			Mc. C.
158			7,714	17,000		12,700				Mc.
159		500	1,530	1,440		1,563	.075- .045	.02 - .006	Niagara, Lockport & Ontario Power Co.	Mc. M. C.
160			1,509	2,350		1,683				Mc.
161	Private.....	350				500	.09 - .04	.09 - .015	Mohawk Hydro-Electric Co.	Mc. C.
162			7,000	13,370		11,650				Mc.
163	Private.....	1,300	1,500	2,405		2,500	.20 - .15	.10 - .04		Mc. M. C.
164										Mc. O.
165		11,800	4,470	10,400		11,530				Mc. O.
166										Mc. O.
167										Mc.
168			700	600		645				Mc.
169	Private.....	500				400	.10	24.00		Mc. C.
170	Do.....	1,000				800		24.00		C.
171	Do.....	1,500				1,250	.0075			C.
172	Do.....	200			50	100	.10			Mc. C.
173	Do.....	160	250	350		345	.15 - .08	.16 - .04	Tri County Light & Power Co.	Mc. M. C.
174		1,500				750				Mc. M.
175			1,500	1,500		1,200				
176			375	450		290				Mc.
177	Private.....	80	150	130		95	.15 - .06	.10 - .027		Mc. M. C.
178	Do.....	80	80	75		30				Mc. C.
179-318			62,145	106,059	1,828	80,871				
Total, A.....		587,637	350,851	812,206	6,306	997,731				

## B.—MUNICIPAL PLANTS.

319	Private.....	300				200	\$0.06 - \$0.045	\$0.0129		Mc. C.
320	Do.....	390	250	250		265	.10 - .03	\$0.06- .03		Mc. C.
321		240				150				Mc.
322	Private.....	420	150	(150)		150				Mc. C.
323		485			150	350				Mc.
324		170				100				Mc.
325-365			10,095	8,181	1,240	6,730				
Total, B.....		2,005	10,495	8,581	1,390	7,945				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

**NEW YORK**—Continued.

C.—ALL OTHER PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
366	Aldrich Paper Co.....		Manufacturing.....	Emeryville.....	Emeryville.....	Oswegatchie River.....
367	Do.....		do.....	Natural Dam.....	Natural Dam.....	do.....
368	American Carbide Co.....			Plattsburg.....		Saranac River.....
369	American Woolen Co.....			Fulton.....		Oswego River.....
370	American Woodboard Co.....		Manufacturing.....	Schuylersville.....	Easton.....	Battenkill River.....
371	Brooklyn Rapid Transit Co.....	G.....	Electric railways.....	Brooklyn.....	Brooklyn.....	
372	Do.....	G.....	do.....	do.....	do.....	
373	Do.....	G.....	do.....	do.....	do.....	
774	Do.....	G.....	do.....	do.....	do.....	
375	Do.....	G.....	do.....	do.....	do.....	
376	Brownville Board Co.....		Manufacturing.....	Brownville.....	Brownville.....	Black River.....
377	Champion Paper Co.....		do.....	Carthage.....	West Carthage.....	do.....
378	Chautauqua Traction Co.....		Electric railways.....	Jamestown.....	Jamestown.....	
379	Cornell University.....		Cornell University.....	Ithaca.....		Fall Creek.....
	Delaware & Hudson Co.....	H.....				
380	Hudson Valley R. R. Co.....	G.....	Electric railways.....	Middle Falls.....	Greenwich.....	Battenkill.....
381	Do.....	G.....	do.....	Stillwater.....	Stillwater.....	Hudson River.....
382	Finch, Pruyn & Co.....			Glens Falls.....	Glens Falls.....	do.....
	Fishkill Electric Ry. Co.....	G.....				
383	(Lessor, Citizens Railroad, Light & Power Co.)..	L.....	Electric railways.....	Matteawan.....	Matteawan.....	
384	Gould Paper Co.....	G.....	Manufacturing.....	Lyons Falls.....	Lyons Falls.....	Black River.....
385	Granby Pulp & Paper Co.....		do.....	Fulton.....	Fulton.....	Oswego River.....
386	Heuvelton Feed Mills.....			Feed Mill.....	Heuvelton.....	Heuvelton.....
387	Hudson & Manhattan R. R. Co.....	G.....	Electric railways.....	Jersey City.....	Jersey City.....	
	Interborough Metropolitan Co.....	H.....				
388	Interborough Rapid Transit Co.....	G.....	do.....	New York.....	New York.....	
389	Do.....	G.....	do.....	do.....	do.....	
390	New York Railways Co.....	G.....		do.....		
391	International Paper Co.....	G.....	Manufacturing.....	Cadyville.....	Cadyville.....	Saranac River.....
392	Do.....		do.....	Fort Edward.....	Fort Edward.....	Hudson River.....
393	Do.....		do.....	Glens Falls.....	South Glens Falls.....	do.....
394	Do.....		do.....	Hudson River.....	Palmer.....	do.....
395	Do.....		do.....	Lake George.....	Ticonderoga.....	Lake George outlet.....
396	Do.....		do.....	Niagara Falls.....	Niagara Falls.....	Niagara River.....
397	Do.....		do.....	Piercefield.....	Piercefield.....	Raquette River.....
398	Do.....		do.....	Watertown.....	Watertown.....	Black River.....
399	Do.....		do.....	Woods Falls.....	Brownville.....	do.....
400	(Lessor, Warren Curtis Manufacturing Co.)..		do.....	Curtis Mill.....	Corinth.....	Hudson River.....
401	International Pulp Co.....			Edwards.....		
402	Do.....			Fowler.....		
403	Do.....			Gouverneur.....		Oswegatchie River.....
404	Iroquois Pulp & Paper Co.....			McKeever.....		Hudson River.....
405	Do.....			Thompson.....		Moose River.....
406	Knowlton Electric Plant.....	G.....		Nicholville.....	Nicholville.....	Eastern Branch St. Regis River.....
407	Lewis, J. P., Co.....	G.....	Manufacturing.....	Beaver Falls.....	Beaver Falls.....	Beaver River.....
408	New York Central & Hudson River R. R. Co.....	G.....	Railroads.....	Glenwood.....	Glenwood.....	
409	Do.....		do.....	Port Norris.....	Port Norris.....	
410	Oswego Falls Pulp & Paper Co.....	G.....	Manufacturing.....	Fulton.....	Fulton.....	Oswego River.....
411	Pennsylvania R. R. Co.....	G.....	Railroad.....	New York.....	Long Island City.....	
412	Racquette River Paper Co.....			Potsdam.....		Racquette River.....
413	Raymondville Paper Co.....			Raymondville.....		do.....
414	Remington Paper & Power Co.....		Manufacturing.....	Norfolk.....	Norfolk.....	do.....
415	Rogers, J. & J., Co.....	G.....	do.....	Ausable Chasm.....		Ausable River.....
416	Do.....		do.....	Ausable Forks.....	Ausable Forks.....	do.....
417	Do.....		do.....	Black Brook.....	Black Brook.....	Black Brook.....
418	St. Regis Paper Co.....	G.....	do.....	Black River.....	Black River.....	Black River.....
419	Do.....	G.....	do.....	Carthage.....	Carthage.....	St. Regis River.....
420	Do.....	G.....	do.....	Deferiet.....		Black River.....
421	Do.....	G.....	do.....	Herrings.....		do.....
422	Do.....	G.....	do.....	St. Regis Falls.....	Waverly.....	St. Regis River.....
423	Schroon River Pulp & Paper Co.....	G.....	do.....	Warrensburg.....		Schroon River.....
424	Syracuse & Suburban R. R. Co.....	G.....	Electric railways.....	Edwards Falls.....	Manlius.....	Limestone Creek.....
425	Union Bag & Paper Co.....			Ballston.....		
426	Do.....			Hadley.....		
427	Do.....			Hudson Falls.....		Hudson River.....
428	United Paper Board Co.....		Manufacturing.....	Franklin.....	Lockport.....	
429	Do.....		do.....	Lockport.....	do.....	Eighteen Mile Creek.....
430	Do.....		do.....	Thomson.....	Thomson.....	Hudson River.....
431	West End Paper Co.....		do.....	Carthage.....	Carthage.....	Black River.....
432	West Virginia Pulp & Paper Co.....	G.....	do.....	Mechanicsville.....	Mechanicsville.....	Hudson River.....
433	}17 additional fuel power plants.....					
449						



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NEW YORK—Continued.

## C.—ALL OTHER PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
366	Private.....	2,200								O. C.
367	Do.....	2,450	750	450						O. C.
368		3,000								O.
369		3,000								M. O.
370	Private.....	3,200	500	300						O. C.
371										
372										
373			91,236	198,025		143,580				
374										
375										
376	Private.....	3,221	475	175						O. C.
377	Do.....	2,600	750	375						O. C.
378		(4,000)	4,700	3,500						Mc.
379	Private.....	1,150		750						C.
380	Do.....	500				500			D. & H. Co.	C.
381	Do.....	450				500			do.	C.
382		10,000								O. C.
383		350	700	700		1,050				Mc. M.
384	Private.....	5,600	1,200			1,230				O. C.
385	Do.....	5,000								O. C.
386		240								O.
387			8,160	24,000		18,000				Mc.
388			36,880	74,000		60,000				Mc.
389			30,000	117,500		67,500				Mc.
390			21,000	55,000		38,000				Mc.
391	Private.....	8,400	400	125	50	40				C.
392	Do.....	5,800	5,500	4,500		1,100				C.
393	Do.....	5,700	3,110	2,900		75				C.
394	Do.....	24,000	6,300	3,000		1,780				C.
395	Do.....	5,100	1,250	1,300		40				C.
396	Do.....	5,780	3,100	1,900		120				O. M. C.
397	Do.....	4,700	1,700	2,000		312½				C.
398	Do.....	1,200	780	250		30				C.
399	Do.....	8,700	1,400	1,000		120				C.
400	Do.....	5,800								C.
401										
402		8,657								
403										
404										O.
405		3,600								O.
406	Private.....	65				90				C.
407	Do.....	1,500	625	300		(1,100)				O. C.
408			10,000	26,800		20,000				Mc.
409										
410	Private.....	6,600	1,500	1,200		5,625				O. C.
411			18,900	74,700		38,500				Mc.
412		3,300								O.
413		6,600								O.
414	Private.....	5,000	1,500	1,000					St. Lawrence Traction Co.	O. C.
415	Do.....	1,250				300				O. C.
416		1,725	1,600	650		525			Paul Smith's Electric Light, Heat, Power & Railroad Co.	O. C.
417	Private.....	300				300				O. C.
418	Do.....	1,000	200	192		(30)	\$0.10			M. C.
419			450	274	4½	20				M. C.
420	Private.....	15,000	3,500	1,600		660				M. O. C.
421	Do.....	3,800	800	460		700				M. C.
422	Do.....		100	60		(10)				M. C.
423	Do.....	3,150	450	375		40				O. C.
424		600	450			450			New York State Railways and Syracuse Lighting Co.	Mc. M. C.
425										M.
426		9,000								M.
427										M. O.
428	Private.....	800								C.
429		1,000								M. O. C.
430	Private.....	3,250	600	490						M. O. C.
431	Do.....	2,000	750	350	12				Northern New York Utilities Co.	O. C.
432	Do.....	9,550	7,000	8,800		9,543				M. O. C.
433-449			15,540	30,205	2,595	17,849				
	Total, C.....	209,888	283,856	539,206	2,661	429,718				
	Grand total.....	799,530	645,202	1,459,993	10,357	1,435,394				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## NORTH CAROLINA.

## A.—PUBLIC UTILITY PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	Belhaven Lumber Co., light plant.		Black Mountain.	Belhaven.	Black Mountain.	
2	Black Mountain Telephone Corporation.	GD.	Black Mountain.	Black Mountain.	Black Mountain.	
3	Boney, John B.	G.	Wallace.	Wallace.		
4	Brevard Light & Power Co.	D.	Brevard.	Brevard.	Brevard.	
5	Canton Electric & Telephone Co.	D.	Canton and Clyde.	Canton.		
6	Carolina Electric Co.	GD.	Maxton and Alma.	Maxton.		
7	Do.	GD.	Whiteville.	Whiteville.	Whiteville.	
8	Carolina Power & Light Co.			Buckhorn Falls.		Cape Fear River.
9	Do.			Milburnie.		Neuse River.
10	Do.	HGTD.	Goldsboro.	Goldsboro.	Goldsboro.	
11	Do.		Henderson.	Henderson.	Henderson.	
12	Do.		Sanford.	Raleigh.		
13	Do.		Sanford.	Sanford.	Sanford.	
14	Asheville Power & Light Co.	GTD.	Asheville, Biltmore, and vicinity.	Asheville.	Asheville.	Hominy Creek.
15	Yadkin River Power Co.	GTD.	Hamlet, Wadesboro, and vicinity.	Rockingham.		
16	Do.	GTD.	Wadesboro.	Wadesboro.	Wadesboro.	
17	Cascade Power Co.	GTD.	Brevard and Pisgah Forest.	Brevard.	Brevard.	Little River.
18	Chandler, I. F.	GD.	Southern Pines and Aberdeen.	Southern Pines.		
19	Citizens Light & Power Co.	GD.	Lenoir.	Lenoir.	Lenoir.	
20	Citizens Power & Light Co.	D.	Pine Level, Kenly, and Princeton.	Pine Level.		
21	Cleveland Mill & Power Co.	GD.	Lawndale.	Lawndale.	Lawndale.	First Broad River.
22	Conover Electric Co.	D.	Conover.	Conover.		
23	Dillsboro & Sylva Electric Light Co.	GD.	Dillsboro and Sylva.	Dillsboro.	Dillsboro.	Tuckaseigee River.
24	Doherty Operating Co.	M.				
25	Durham Traction Co.	GTD.	Durham.	Durham.	Durham.	
26	Duplin Light & Power Co. (Inc.)	D.	Wallace.	Wallace.		
27	Eastern Cotton Oil Co.	GD.	Hertford.	Hertford.	Hertford.	
28	Electric Light Co. of Elizabeth City.	GD.	Ayden.	Ayden.	Ayden.	
29	Elizabeth City Electric Light & Power Co.	H.				
30	Elkin Brick & Light Co.	GD.	Elizabeth City.	Elizabeth City.	Elizabeth City.	
31	Enterprise Lumber Co.	GD.	Elkin.	Elkin.		
32	Franklin Light & Power Co.	GD.	Mount Olive.	Mount Olive.	Mount Olive.	
33	Franklin Lumber & Power Co.	GD.	Franklin.	Franklin.	Franklin.	
34	Freeman, M. C., Electric Light Plant.	GD.	Franklin.	Franklin.	Franklin.	
35	Gaysburg Manufacturing Co.	GD.	Hamlet.	Hamlet.	Hamlet.	
36	Haywood Electric Power Co.	GD.	Burgaw.	Burgaw.	Burgaw.	
37	Hendersonville Light & Power Co.	GD.	Waynesville and Waterville.	Waynesville.		Pigeon River.
38	Do.	GD.	Hendersonville and Flat Rock.	Hendersonville, No. 1.	Hendersonville.	Big Hungry Creek.
39	Hope Mills Manufacturing Co. Light Plant.	GD.	Hope Mills.	Hendersonville, No. 2.	do.	do.
40	Hot Springs Manufacturing Co.	GD.	Hot Springs.	Hope Mills.	Hope Mills.	Little Rockfish Creek.
41	Jackson Electric Co.	GD.	Jackson.	Hot Springs.		
42	Lakeview Electric Light & Power Co.	GD.	Jackson.	Jackson.	Jackson.	
43	Leaksville Light & Power Co.	GD.	Lakeview, Roford, and Vass.	Lakeview.		
44	Madison Light & Power Co.	GD.	Leaksville.	Leaksville.	Leaksville.	
45	Marion Light & Power Co.	D.	Marshall.	Marshall.		
46	Murphy Light & Power Co.	GD.	Marion.	Marion.	Marion.	Toms Creek.
47	North Carolina Electrical Power Co.	GD.	Murphy.	Murphy.		
48	Do.		Biltmore, Asheville, Marshall and vicinity.	Ivy.		Ivy River.
49	Do.			Marshall No. 1.	Marshall.	French Broad River.
50	North Carolina Public Service Co.	GTD.	Rowan and Guilford Counties.	Weaver.	Asheville.	
51	Salisbury & Spencer Railway Co.	GTD.	Salisbury.	Greensboro.	Greensboro.	
52	Piedmont Railway & Electric Co.	GD.	Alamance County.			
53	Randolph Power Co.	GD.	Randleman.	Burlington.	Burlington.	
54	Roper, J. L., Lumber Co.	GD.	Randleman.	Randleman.	Randleman.	
55	Do.	GD.	Belhaven.	Belhaven.	Belhaven.	
56	Do.	GD.	Newbern.	Newbern.	Newbern.	
57	Do.	GD.	Roper.	Roper.	Roper.	
58	Rowland Lumber Co.	GD.	Bowdens.	Bowdens.	Bowdens.	
59	Roxboro Light & Power Co.	GD.	Roxboro.	Roxboro.	Roxboro.	
60	St. Pauls Light & Power Co.	GD.	St. Pauls.	St. Pauls.		
61	Sampson Power Co.	GD.	Clinton.	Clinton.	Clinton.	
62	Siler City Light & Telephone Co.	GD.	Siler City.	Siler City.		
63	Southern Power Co.					
64	Do.	HGTD.	Western part of South Carolina and central part of North Carolina.	Durham.	University.	
65	Do.			Greensboro.	Greensboro.	
66	Do.			Lookout Shoals.		Catawba River.
67	Do.			Mount Holly.	Mount Holly.	
68	Southern Presbyterian College.	GD.	Red Springs.	Red Springs.	Red Springs.	
69	Southern Public Utilities Co.	HGTD.		Charlotte.	Charlotte.	
70	Do.	HGTD.		Winston-Salem.	Winston-Salem.	Yadkin River.
71	Southport Light & Power Co.	GD.	Southport.	Southport.	Southport.	
72	Spencer Mountain Mills.	GD.	Gastonia.	Lowell.	Lowell.	South Fork Catawba River.
73	Sutton, H. H., & Son, Light Plant.	GD.	La Grange.	La Grange.	La Grange.	Bear Creek.
74	Tidewater Power Co.	GTD.	Wilmington and vicinity.	Wilmington.	Wilmington.	
75	Tryon Electric Service Co.	GD.	Tryon and Landron, S. C.	Tryon.	Tryon.	
76	Tuft, Leonard.		Pinehurst.	Pinehurst.	Pinehurst.	
77	Virginia Railway & Power Co.	H.				
78	Roanoke River Development Co.	GD.	Weldon.	Weldon.		Roanoke River.
79	Warrenton Electric Light Co.	GD.	Warrenton.	Warrenton.	Warrenton.	
80	Weaverville Electric & Telephone Co.	GD.	Weaverville.	Weaverville.	Weaverville.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## NORTH CAROLINA.

## A.—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
1										
2				(125)		75	\$0.05		Buys steam.	M.
3										Mc.
4	Private						\$0.10- 0.050	\$0.07-\$0.025	Cascade Power Co.	Mc.
5									Champion Lumber Co.	C. Mc.
6		100	100	100		75			Yadkin River Power Co.	Mc.
7			125	125		50				Mc.
8		4,000				2,475				M. Mc. O.
9						400				M. Mc. O.
10			450	400		690				M. Mc.
11			300	400		225				M. Mc.
12			3,404	5,700		3,750				M.
13			125	100		75				Mc.
14	Private	400	750	925		850	.15- .07	.08- .04	North Carolina Electric Power Co.	C. Mc. O.
15		(40,000)				24,000				M. Mc. O.
16			140	200		99				M. Mc.
17	Private	500				325	.25-.00-20.00			C. Mc.
18		250	250	225		235				Mc.
19			175	(290)		175				Mc.
20									Carolina Power Light Co.	Mc.
21	Private	250	400	300		(500)				C.
22										
23	Private	330				200	.10	25.00-20.00	Southern Power Co.	Mc.
24			1,750	2,220		800				C. Mc.
25									John B. Boney	Mc.
26			350	150		60				Mc.
27	Private		100	75		40				C.
28			750	1,000		750	.10- .075	.075- .028		C. M. Mc.
29										
30	Private		(250)	300		200	.03			C.
31		140				50				Mc.
32			100	125		75				Mc.
33			90	80		50				Mc.
34	Private		150	40		25				C.
35		1,950				1,400				Mc. O.
36	Private	350	300	400		550	.10- .05	.10 - .012		C. Mc.
37	Do.	208				150	.10- .05	.10 - .012		C. Mc.
38	Do.	300				90				C.
39		90				(53)				Mc.
40	Private		100	70		50				C.
41		350	250	250		275				Mc.
42	Private	100		225		60				C. Mc.
43									North Carolina Electric Power Co.	Mc.
44		185	50	40		125	.15- .05	.025- .0135		C. Mc.
45		200				75				Mc.
46		530				400				C. M. Mc. O.
47	Private	5,000				3,750	.01			C. M. Mc. O.
48		2,000				1,500				C. M. O.
49			1,200	2,000		1,540			Southern Power Co.	M. Mc.
50			460	(480)		290			do.	M. Mc.
51	Private		1,008	2,500		2,275	.09- .05	.03 - .01	do.	C. M. Mc.
52			150	125		100				Mc.
53										Mc.
54			5,150	4,300		640				Mc.
55										Mc.
56						170				Mc.
57	Private		100	100		75	.15	.10	Carolina Power & Light Co.	C. Mc.
58		100	150	100		(100)				Mc.
59	Private		100	100		75	.15	.05		C. Mc.
60		50			50	50				Mc.
61	Private		4,000	16,670		12,500	.09- .005	.09 - .005		C. Mc.
62	Do.		4,500	10,670		8,000	.09- .005	.09 - .005		C. Mc. O.
63	Do.	30,000				22,800	.09- .005	.09 - .005		C. M. Mc. O.
64	Do.		4,500	10,670		8,000	.09- .005	.09 - .005		C. Mc. O.
65			150	105		85				Mc.
66					1,700	1,275				M. Mc.
67		2,100	700	1,650		1,500			Southern Power Co.	C. M. Mc.
68			180	148		125				C. Mc.
69	Private	1,000				800			Southern Power Co.	C. Mc.
70	Do.	75	50	40		75				C. Mc.
71	Private		1,728	5,000		3,800	.12 - .05	.07- .02		C. Mc.
72		25	80	265		130				M. Mc.
73	Private		500	500		575	.16 - .08			C.
74	Do.	600				500	.10 - .08	.05- .025		C. Mc.
75			50	(80)		(50)			Buys steam.	Mc.
76	Private						.15 - .075	.03	North Carolina Electric Power Co.	C.
Total, A.		91,183	35,215	69,333	1,750	110,259				

<sup>1</sup> Lamp-hour.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
**NORTH CAROLINA**—Continued.  
 B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
77		D.	Albemarle.	Albemarle.		
78		GD.	Andrews.	Andrews.		
79		GD.	Ashboro.	Ashboro.	Ashboro.	
80		GD.	Beaufort.	Beaufort.	Beaufort.	
81	University of North Carolina.	GD.	Chapel Hill.	Chapel Hill.	Chapel Hill.	
82		D.	Concord.	Concord.		
83		GD.	Dunn.	Dunn.	Dunn.	
84		GD.	Edentown.	Edentown.	Edentown.	
85		GD.	Elkin.	Elkin.	Elkin.	Big Elkin Creek.
86		GD.	Elm City.	Elm City.	Elm City.	
87		GD.	Enfield.	Enfield.	Enfield.	
88		GD.	Farmville.	Farmville.	Farmville.	
89		D.	Fayetteville.	Fayetteville.		
90		GD.	Fremont.	Fremont.	Fremont.	
91		D.	Gastonia.	Gastonia.	Gastonia.	South Fork Catawba River.
92		GD.	Greenville.	Greenville.	Greenville.	
93		D.	High Point and Mechanicsville.	High Point.		
94		D.	Hope Mill.	Hope Mill.		
95		D.	Kings Mountain.	Kings Mountain.	Kings Mountain.	
96		GD.	Kingston.	Kingston.	Kingston.	
97		GD.	Laurinburg.	Laurinburg.	Laurinburg.	
98		D.	Lexington.	Lexington.		
99		D.	Lincolnton.	Lincolnton.		
100		GD.	Littleton.	Littleton.	Littleton.	
101		GD.	Louisburg.	Louisburg.	Louisburg.	
102		GD.	Lumberton.	Lumberton.	Lumberton.	
103		D.	Monroe.	Monroe.		
104		D.	Mooresville.	Mooresville.	Mooresville.	
105		GD.	Morehead City.	Morehead City.	Morehead City.	
106		GD.	Morganton.	Morganton.	Morganton.	
107		GD.	Mount Airy.	Mount Airy.	Buck Shoals.	Ararat River.
108		GD.	Mount Olive.	Mount Olive.	Mount Olive.	
109		GD.	Newbern.	Newbern.	Newbern.	
110		D.	Newton.	Newton.		
111		GD.	North Wilkesboro.	North Wilkesboro.	North Wilkesboro.	Riddies River.
112		GD.	Reidsville.	Reidsville.	Reidsville.	
113		GD.	Rocky Mount.	Rocky Mount.	Rocky Mount.	
114		GD.	Rowland.	Rowland.	Rowland.	
115		GD.	Rutherfordton.	Rutherfordton.		
116		GD.	Scotland Neck.	Scotland Neck.	Scotland Neck.	
117		GD.	Selma.	Selma.	Selma.	
118		GD.	Spray.	Spray.		
119		D.	Statesville.	Statesville.		
120		GD.	Tarboro.	Tarboro.	Tarboro.	
121		GD.	Wake Forest.	Wake Forest.	Wake Forest.	
122		GD.	Washington.	Washington.	Washington.	
123		D.	Waynesville.	Waynesville.		
124		GD.	Whitakers.	Whitakers.	Whitakers.	
125		GD.	Wilson.	Wilson.	Wilson.	

## C.—ALL OTHER PLANTS.

126	Continental Chair Manufacturing Co.	G.	Manufacturing.	Mebane.	Mebane.	
127	Erwin Cotton Mills Co.		do.	Cooleemee.	Cooleemee.	South Yadkin River.
128	Highland Park Manufacturing Co.			Charlotte.		
129	Laurel Park Street Railway Co.	G.	Electric railway.	Hendersonville.	Hendersonville.	
130	McAden Mills.			McAdenville.		South Branch Catawba River.
131	Roanoke Rapids Power Co.			Roanoke Rapids.		Roanoke River.

**NORTH DAKOTA.**

## A.—PUBLIC UTILITY PLANTS.

1	Beach Electric Co.	GD.	Beach.	Beach.	Beach.	
	Byllesby, H. M., & Co.	M.				
2	Consumers Power Co.	GD.	Minot.	Minot.	Minot.	
	Red River Power Co.	GD.				
3	(Lessor, Consumers Power Co.)	L.	Red Lake Falls and Grand Forks.	Grand Forks.	Grand Forks.	
	Union Light, Heat & Power Co.	GD.				
4	(Lessor, Consumers Power Co.)	L.	Fargo and Dilworth, Minn.	Fargo.	Fargo.	
5	Cando Electric Co.	GD.	Cando.	Cando.	Cando.	
6	Carrington Light, Heat & Power Co.	GD.	Carrington.	Carrington.	Carrington.	
7	Casselton Electric Light Plant.	GD.	Casselton.	Casselton.	Casselton.	
8	Cavalier Electric Light Plant.	GD.	Cavalier.	Cavalier.	Cavalier.	
9	Cogswell Electric Light & Power Co.	GD.	Cogswell.	Cogswell.	Cogswell.	



MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

NORTH CAROLINA—Continued.

B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
77									Southern Power Co.	Mc.
78		75				135				Mc.
79			250	250		225	\$0.10 - \$0.04			C. Mc.
80			275	100		75				Mc.
81			280	250		125				C. Mc.
82									Southern Power Co.	Mc.
83			300	200		150				Mc.
84			160	280		140				Mc.
85	Private	200				150	.10	\$0.10-\$0.02		C. Mc.
86			130	125		90				Mc.
87			125	100		75				Mc.
88			200	85		62½				Mc.
89									Carolina Power & Light Co.	C.
90	Private		100	90		45	.10 .12			C. Mc.
91							.10 - .05	.05- .0225	Spencer Mountain Mills	C. Mc.
92			950	1,350		1,150				Mc.
93								.025	North Carolina Public Service Co.	Mc.
94									Hope Mills Manufacturing Co.	Mc.
95	Private						.10 - .03	.03	Southern Power Co.	C. Mc.
96			450	450		300				Mc.
97			200	100		100	.10			Mc.
98									Southern Power Co.	Mc.
99									do.	Mc.
100			125	100		75				Mc.
101	Private		300	150		105				C. Mc.
102			260	260		282				Mc.
103									Southern Power Co.	Mc.
104									do.	Mc.
105										Mc.
106			150	200		150				Mc.
107	Private	460				300	.07	.06- .0125		C. Mc.
108	Do.		180	75		60	.125- .075	.05		C. Mc.
109			(600)	800		510				Mc.
110									Southern Power Co.	Mc.
111	Private	100	150	150		100	.08			C. Mc.
112			375	200		195				Mc.
113	Private		530	1,390		980	.10	.05		C. Mc.
114			80	103		75	.15			C. Mc.
115		200				150				M.
116	Private		400	525		402	.13	.05- .02		C. Mc.
117	Do.		100	80		65	.15	.10	Carolina Power & Light Co.	C. Mc.
118										Mc.
119									Southern Power Co.	Mc.
120	Private		550	500		150	.125	.05		C. Mc.
121			90	85		60	.15			Mc.
122			125	150		120				Mc.
123									Haywood Electric Power Co.	Mc.
124			100	75		50	.15			C. Mc.
125			450	700		525				Mc.
Total, B.		1,035	7,985	8,923		7,176				

C.—ALL OTHER PLANTS.

126	Private		150	125		45				C.
127	Do.	2,037	1,206	1,240		257				C. O.
128										M.
129			200	150		150				C.
130		750								O.
131		4,100								O.
Total, C.		6,887	1,556	1,515		452				
Grand total.		99,105	44,756	79,771	1,750	117,887				

NORTH DAKOTA.

A.—PUBLIC UTILITY PLANTS.

1			100	150		75	\$0.15			Mc. O.
2			1,040	700		490	\$0.11 - .043	\$0.09 - \$0.032		M.
3			2,650	3,000		2,075	.11 - .0338	.06 - .0315		Mc. O.
4			2,248	3,250		2,060	.11 - .0355	.067- .033		Mc. M. O.
5			150	200		110	.125			Mc. O.
6			180	150		95	.16 - .08	.10 - .06		O.
7					95	57½	.15	.08		Mc. O.
8			205	125		50	.14 - .12			Mc. O.
9					25	15	.20	.20		Mc. O.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

NORTH DAKOTA—Continued.

A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
10	Consumers General Service Co.....	GD.....	New Rockford.....	New Rockford.....	New Rockford.....	
11	Delameter Bros.....	GD.....	Knox.....	Knox.....	Knox.....	
12	Enderlin Electric Light Co.....	GD.....	Enderlin.....	Enderlin.....	Enderlin.....	
13	Equity Milling & Power Co.....	GD.....	Mott.....	Mott.....	Mott.....	
14	Finley Light & Power Co.....	GD.....	Finley.....	Finley.....	Finley.....	
15	Harvey Electric Light & Power Co.....	GD.....	Harvey.....	Harvey.....	Harvey.....	
16	Hebron Electric Light & Power Co.....	GD.....	Hebron.....	Hebron.....	Hebron.....	
17	Hughes & Dieters Electric Light Plant.....	GD.....	Dickinson.....	Dickinson.....	Dickinson.....	
18	Hughes Electric Co.....	GD.....	Bismarek, Mandan, and Fort Lincoln.....	Bismarek.....	Bismarek.....	
19	Hunter Light & Power Co.....	GD.....	Hunter.....	Hunter.....	Hunter.....	
20	International Power Co.....	GD.....	Portal, N. Dak., and North Portal, S. Dak.....	Portal.....	Portal.....	
21	Kulm Mill Co.....	GD.....	Kulm.....	Kulm.....	Kulm.....	
22	Lakota Light & Power Co.....	GD.....	Lakota.....	Lakota.....	Lakota.....	
23	Langdon Electric & Power Co.....	GD.....	Langdon.....	Langdon.....	Langdon.....	
24	Leeds Electric Light & Power Co.....	GD.....	Leeds.....	Leeds.....	Leeds.....	
25	Lidgerwood Light & Power Co.....	GD.....	Lidgerwood.....	Lidgerwood.....	Lidgerwood.....	
26	Lisbon Electric Light & Power Co.....	GD.....	Lisbon.....	Lisbon.....	Lisbon.....	
27	McKellips, A. M. & O.....	GD.....	Hope.....	Hope.....	Hope.....	
28	Mandan Electric Co.....	GD.....	Mandan.....	Mandan.....	Mandan.....	
29	National Briquetting Co.....	II.....				
29	Kenmare Light & Power Co.....	GD.....	Kenmare and Woodland.....	Kenmare.....	Kenmare.....	
30	Northern Telephone Co.....	GD.....	Rugby.....	Rugby.....	Rugby.....	
31	Oakes Light & Power Co.....	GD.....	Oakes.....	Oakes.....	Oakes.....	
32	Otter Tail Power Co.....	GD.....	Wahpeton.....	Wahpeton.....	Wahpeton.....	
33	Do.....		Hankinson.....	Hankinson.....	Hankinson.....	
34	Ray Electric Co.....	GD.....	Ray.....	Ray.....	Ray.....	
35	St. Marys Monastery Electric Light Plant.....	GD.....	Richardton.....	Richardton.....	Richardton.....	
36	Sharon Light & Power Co.....	GD.....	Sharon.....	Sharon.....	Sharon.....	
37	United States Reclamation Service.....	GT.....	Williston.....	Williston.....	Williston.....	
38	Velva Electric Service Co.....	GD.....	Velva.....	Velva.....	Velva.....	
39	Walhalla Roller Mill Co.....	GD.....	Walhalla.....	Walhalla.....	Walhalla.....	Pembina River.
40	Western Electric Co.....	GD.....	Jamestown.....	Jamestown.....	Jamestown.....	
41	Western Utilities Corporation.....	GD.....	Devils Lake.....	Devils Lake.....	Devils Lake.....	
42	White Earth Electric Association.....	GD.....	White Earth.....	White Earth.....	White Earth.....	
43	Woodward, F. M.....	GD.....	Bottineau.....	Bottineau.....	Bottineau.....	

B.—MUNICIPAL PLANTS.

44		GD.....	Cooperstown.....	Cooperstown.....	Cooperstown.....	
45		GD.....	Edgeley.....	Edgeley.....	Edgeley.....	
46		GD.....	Grafton.....	Grafton.....	Grafton.....	
47		GD.....	Grand Forks.....	Grand Forks.....	Grand Forks.....	
48		GD.....	Hillsboro.....	Hillsboro.....	Hillsboro.....	
49		GD.....	Larimore.....	Larimore.....	Larimore.....	
50		GD.....	Mayville.....	Mayville.....	Mayville.....	
51		GD.....	Park River.....	Park River.....	Park River.....	
52		GD.....	St. Thomas.....	St. Thomas.....	St. Thomas.....	
53		GD.....	Valley City.....	Valley City.....	Valley City.....	
54		GD.....	Williston.....	Williston.....	Williston.....	

OHIO.

A.—PUBLIC UTILITY PLANTS.

1	Ada Water, Heat & Light Co.....		Ada.....	Ada.....	Ada.....	
2	Algonquin Light, Heat & Power Co.....	GD.....	Dayton.....	Dayton.....	Dayton.....	
3	Allinger, B. B., Co.....	H.....	Quincy.....	Quincy.....	Quincy.....	
4	American Gas & Electric Co.....					
4	Canton Electric Co.....	GD.....	Canton and Louisville.....	Canton.....	Canton.....	
5	Ohio Light & Power Co.....		Crooksville.....	Crooksville.....	Crooksville.....	
6	Do.....		Fostoria.....	Fostoria.....	Fostoria.....	
7	Do.....		Fremont.....	Fremont.....	Fremont.....	
8	Do.....		Lancaster.....	Lancaster.....	Lancaster.....	
9	Do.....		Logan.....	Logan.....	Logan.....	
10	Do.....	GD.....	Mount Vernon, Academia, and Fredericktown.....	Mount Vernon.....	Mount Vernon.....	
11	Do.....			Newark.....	Newark.....	
12	Do.....		New Lexington.....	New Lexington.....	New Lexington.....	
13	Do.....		Shawnee and New Straitsville.....	Shawnee.....	Shawnee.....	
14	Do.....		Tiffin.....	Tiffin.....	Tiffin.....	
15	American Rys. Co.....	H.....				
15	Ironton Electric Co.....	GD.....	Ironton.....	Ironton.....	Ironton.....	
16	Peoples Ry. Co.....	GD.....		Germantown.....	Dayton.....	
17	Springfield Ry. Co.....	GD.....		Sycamore Street.....	Springfield.....	
18	American Water Works & Electric Co.....	H.....				
18	Steubenville & Wheeling Traction Co.....	GTD.....		Brilliant.....	Brilliant.....	
19	Ansonia Lighting Co.....			Ansonia.....		



**NORTH DAKOTA**—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

### B.—MUNICIPAL PLANTS.

# OHIO.

A.—PUBLIC UTILITY PLANTS.

1			650	250	150			M. Mc.
2			575	490	225			Me.
3								S.
4			5,228	17,330	11,290			M. Mc.
5			150	175	75			M. Mc.
6			450	625	450			M. Mc.
7			1,000	1,150	675			M. Mc.
8			575	575	430			M. Mc.
9			300	400	250			M. Mc.
10			1,200	1,165	1,185			M. Mc.
11			400	350	1,050	1,225		M. Mc.
12					225	200		M. Mc.
13					160	120		M. Mc.
14			1,450	2,200		1,770		Me.
15			1,250	800		800	Consolidated Light, Heat & Power Co.	M. Mc.
16			2,300	2,500		2,000		M. Mc.
17			1,300	1,350		950		M. Mc.
18			1,800	1,825		1,175		M. Mc.
19								S.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## OHIO—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
20	Arcadia Electric Light Co.....	GD.....	Arcadia.....	Arcadia.....	Arcadia.....	
21	Archbold Electric Light & Power Co.....	GD.....	Archbold.....	Archbold.....	Archbold.....	
22	Ashland Gas & Electric Light Co.....	GD.....	Ashland.....	Ashland.....	Ashland.....	
23	Ashville Light & Power Co.....	D.....	Ashville.....	Ashville.....	Ashville.....	
24	Auglaize Power Co.....	GTD.....	Henry, Lucas, and Defiance Counties.	Auglaize.....	S. 9, T. 3 N., R. 3 E.....	Auglaize River.....
25	Baker, A. D., Co.....			Swanton.....		
26	Barberton Light & Power Co.....	GD.....	Barberton.....	Barberton.....	Barberton.....	
27	Barnesville Gas & Electric Co.....	GD.....	Barnesville.....	Barnesville.....	Barnesville.....	
	Barstow, W. S., & Co.....	M.....				
28	Northwestern Ohio Railway & Power Co.....	GTD.....	Genoa and vicinity.....	Port Clinton.....	Port Clinton.....	
29	Port Clinton Electric Light & Power Co.....	D.....	Port Clinton.....	do.....	do.....	
30	Sandusky Gas & Electric Co.....	GD.....	Sandusky.....	Sandusky.....	Sandusky.....	
31	Bellaire Light & Power Co.....	GD.....	Bellaire.....	Bellaire.....	Bellaire.....	
32	Belleville Electric Light Co.....			Belleville.....		
33	Bloomdale Electric Light Co.....	GD.....	Bloomdale.....	Bloomdale.....	Bloomdale.....	
34	Bloomville Light & Heating Co.....	GD.....	Bloomville.....	Bloomville.....	Bloomville.....	
35	Bolivar Electric Light Co.....			Bolivar.....		
36	Bradford & Gettysburg Electric Light & Power Co.....	D.....	Bradford, Gettysburg, Pittsburgh.	Bradford.....		
37	Bradley Light, Heating & Power Co.....			Cleveland.....		
38	Bruce, S. H.....	D.....	Garrettsville.....	Garrettsville.....		
39	Buckeye Light & Power Co.....	GD.....	Covington, Ludlow Falls, and Pleasant Hill.	Covington.....	Covington.....	Greenville Creek.
40	Burton Electric Light Plant.....	GD.....	Burton.....	Burton.....	Burton.....	
41	Bushman Bros. Light Plant.....			Pemberville.....		
42	Cadiz Electric Light & Power Co.....	GD.....	Cadiz.....	Cadiz.....	Cadiz.....	
43	Camden Electric Light & Milling Co.....	GD.....	Camden.....	Camden.....	Camden.....	Seven Mile Creek.
44	Cantine & Company Light Plant.....	GD.....	Crestline.....	Crestline.....	Crestline.....	
45	Cardington Electric Light, Heat & Power Co.....	GD.....	Cardington.....	Cardington.....	Cardington.....	
46	Carrollton Electric Co.....	GD.....	Carrollton.....	Carrollton.....	Carrollton.....	
47	Central States Electric Corporation.....	H.....				
	Cleveland Electric Illuminating Co.....	GD.....	Cleveland and vicinity.....	Cleveland.....	Cleveland.....	
48	Chagrin Falls Electric Co.....	GD.....	Chagrin Falls.....	Chagrin Falls.....	Chagrin Falls.....	
49	Cincinnati & Columbus Traction Co.....	GTD.....		Perintown.....	Perintown.....	
50	Cincinnati, Milford & Loveland Traction Co.....	GTD.....	Milford and Terrace Park.....	Milford.....	Milford.....	
51	Circleville Light & Power Co.....	GD.....	Circleville.....	Circleville.....	Circleville.....	
52	Citizens Electric Light, Power & Heating Co.....	GD.....	Shreve.....	Shreve.....	Shreve.....	
53	Citizens Lighting & Heating Co.....	GD.....	Toledo.....	Toledo.....	Toledo.....	
54	Citizens Light Co.....	D.....	West Manchester.....	West Manchester.....	West Manchester.....	
55	Citizens Light & Power Co.....	GD.....	Millersburg.....	Millersburg.....	Millersburg.....	
56	Cleveland Light & Power Co.....	GD.....		Cleveland.....	Cleveland.....	
	Cleveland, Painesville & Eastern R. R. Co.....	GD.....				
57	(Lessor, Cleveland, Painesville & Ashtabula R. R.)	L.....		Painesville.....	Painesville.....	
58	Cleveland, Southwestern & Columbus Ry. Co.....	HGTD.....		Elyria.....	Elyria.....	
59	Do.....			Norwalk.....	Norwalk.....	
60	Mansfield Railway, Light & Power Co.....	GD.....	Mansfield.....	Main Street.....	Mansfield.....	
61	Coldwater Lighting Co.....	D.....	Coldwater.....	Coldwater.....	Coldwater.....	
62	Columbia Gas & Electric Co.....	H.....	Cincinnati, Carthage.....			
	Union Gas & Electric Co.....	GD.....	Wyoming, Glendale.....	Cincinnati.....	Cincinnati.....	
63	Columbiana Light & Power Co.....			Salem.....		
64	Columbus, Delaware & Marion Ry. Co.....			Chaseland.....		
65	Do.....	GTD.....	Marion.....	Marion.....	Marion.....	
66	Do.....			Prospect.....		
67	Do.....			Stratford.....		
68	Columbus Railway, Power & Light Co.....			Gay Street.....	Columbus.....	
69	Do.....			McMillan Avenue.....	do.....	
70	Do.....	GTD.....	Columbus and vicinity.....	do.....	do.....	
71	Do.....			Milo.....	do.....	
72	Do.....			Mound Street.....	do.....	
73	Do.....			Seventeenth Street.....	do.....	
				Spring Street.....	do.....	
74	Commonwealth Power, Railway & Light Co.....	H.....				
	Springfield Light, Heat & Power Co.....	GD.....	Springfield.....	Springfield.....	Springfield.....	
75	Crawford County Gas & Electric Co.....	GD.....	Crestline.....	Crestline.....	Crestline.....	
76	Cygnat Electric Light Co.....			Cygnat.....		
77	Dayton, Covington & Piqua Traction Co.....	GD.....		West Milton.....	West Milton.....	
78	Dayton Power & Light Co.....		Shiloh, Carrmonte.....	Cedarville.....	Cedarville.....	
79	Do.....		Cedarville, Clifton, Yellow Springs.	Clifton.....	Clifton.....	Little Miami.
80	Do.....		Trotwood, Fort McKinley, Harsham.	Dayton.....	Dayton.....	
81	Do.....	GTD.....	Fairfield, Osborn, New Carlisle.	Osborn.....	Osborn.....	
82	Do.....		Belmont, Alpha, Trebeins, Xenia.	Piqua.....	Piqua.....	
83	Do.....		Oakwood, Dayton, Wilmington.	Wilmington.....	Wilmington.....	
84	Delaware Electric Light, Heat & Power Co.....	GD.....	Delaware.....	Delaware.....	Delaware.....	
85	Delta Electric Light Co.....	GD.....	Delta.....	Delta.....	Delta.....	
86	Deshler Light & Power Plant.....			Deshler.....		
87	Dillonvale Heat, Light, Power & Water Co.....	GD.....	Dillonvale and Mount Pleasant.	Dillonvale.....	Dillonvale.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## OHIO—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
20			100	40		30				Mc.
21					90	70				Mc.
22			250	250		295				M. Mc.
23									Scioto Valley Traction Co.	Mc.
24	Private.....	6,666				5,000		\$0.03-\$0.01		M. Mc. C.
25										S.
26			180	250	50	200				Mc.
27			200	205		175				Mc.
28			2,600	3,620		3,300				M. Mc.
29									North Western Ohio Ry. & Power Co.	M. Mc.
30			1,500	3,270		2,450				M. Mc.
31			900	1,100		700				M. Mc.
32										S.
33			100	65	(40)					Mc.
34			165	100		55				Mc.
35										S.
36									Greenville Electric Light & Power Co.	Mc.
37										S.
38									Trumbull Public Service Co.	Mc.
39	Private.....	230	80	65		230	\$0.10	.05		Mc. C.
40			90	85		40				Mc.
41										S.
42			375	165	165	200				Mc.
43		80	80	80	18	35	.10	.10		Mc. C.
44			(100)	100		40				Mc.
45			100	125		100				Mc.
46			250	330		180				Mc.
47			34,800	135,700		101,150				M. Mc.
48			200	200		185				Mc.
49			1,600	2,500		300				M. Mc.
50			800	1,500		1,000				M. Mc.
51			450	450		475				M. Mc.
52			80	75		40				Mc.
53			960	200		150				Mc. M.
54									Greenville Electric Light & Power Co.	Mc.
55					255	320				Mc.
56			1,000	1,250		800				M. Mc.
57			2,200	4,900		3,720				M. Mc.
58			4,000	11,500		7,000				M. Mc.
59			375	250		450				M. Mc.
60			2,700	3,000		2,300			Cleveland, South Western & Columbus Ry. Co.	M. Mc.
61										Mc.
62			15,625	38,930		29,210				M. Mc.
63										S.
64										M.
65			2,500	5,330		3,950				Mc.
66										
67			2,000	4,330		3,200				Mc.
68			1,761	(4,300)		2,560				M. Mc.
69			700	(400)		250				Mc.
70			(225)	(1,370)		825				Mc.
71			900	(1,100)		650				Mc.
72			2,082	(3,500)		2,100				Mc.
73			6,900	(24,000)		14,350				Mc.
74			4,000	6,000		4,500				M. Mc.
75			250	250		110				Mc.
76										S.
77			625	500		350				M. Mc.
78			200	90		(55)				M. Mc.
79	Private.....	100				130	.12			Mc. C.
80			9,100	17,500		13,000				Mc.
81			200	160		90				Mc.
82			1,000	1,670		1,350				Mc.
83			600	700		300				Mc.
84			(300)	400		400				M. Mc.
85			350	425		195				Mc.
86										S.
87			300	300		200				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## OHIO—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
88	Doherty Operating Co.....	M.....				
89	Alliance Gas & Power Co.....	GD.....	Alliance.....	Alliance.....	Alliance.....	
	Elyria & Lorain Electric Properties.....	GD.....	Elyria, Lorain, Olmstead, and South Amherst.	Elyria.....	Elyria.....	
90	Massillon Electric & Gas Co.....	GD.....	Massillon Canal, Fulton.	Massillon.....	Massillon.....	
91	Do.....	GD.....	Orrville, Navarre, Dalton.	Orrville.....	Orrville.....	
92	Toledo Railways & Light Co.....	GTD.....	Toledo and West Toledo.	Toledo.....	Toledo.....	
93	Toledo & Western R. R. Co.....	GTD.....		Sylvania.....	Sylvania.....	
94	Trumbull Public Service Co.....			East Fork.....	Newton Falls.....	East Fork Mahoning.
95	Do.....	GD.....	Warren, Niles, Hiram, Leavittsburg, Windham, Garrettsburg, Phalanx Station, and Newton Falls.	Leavittsburg.....	Leavittsburg.....	
96	Do.....			West Fork.....	Newton Falls.....	West Fork Mahoning.
97	Do.....			Warren.....	Warren.....	
98	Do.....			do.....	do.....	
99	Dover Electric Light & Power Plant.....			Dover.....		
100	Dresden Electric Light Plant.....	D.....	Dresden.....	Dresden.....		
101	Early Light Co.....			Ridgeway.....		
102	East Liberty Light Co.....			East Liberty.....		
103	East Liverpool Traction & Light Co.....			East Liverpool.....	East Liverpool.....	
104	Do.....	GTD.....	East Liverpool.....	Fallston.....	Fallston.....	
105	Do.....			Steubenville.....	Steubenville.....	
106	Eaton Lighting Co.....	GD.....	Eaton.....	Eaton.....	Eaton.....	
107	Edgerton Electric Lighting System.....	GD.....	Edgerton, Edon, Melbern, Mina, and Blakesly.	Edgerton.....	Edgerton.....	
108	Electric Light & Power Co.....	GD.....	Newton Falls.....	Newton Falls.....	Newton Falls.....	
109	Electric Light Co.....	GD.....	Ottawa and Glendorf.....	Ottawa.....	Ottawa.....	
110	Electric Power, Light & Ice Co.....	GD.....	Jefferson.....	Jefferson.....	Jefferson.....	
111	Emanuel, Albert, Co.....	M.....				
	Sidney Electric Co.....	GD.....	Sidney and vicinity.....	Sidney.....	Sidney.....	Mosquito Creek.....
	Federal Power & Light Co.....	H.....				
112	Delphos Electric Light & Power Co.....	GD.....	Delphos.....	Delphos.....	Delphos.....	
113	Urbana Light Co.....	GD.....	Catawba, Mutual, Urbana, Woodstock.	Urbana.....	Urbana.....	
114	Van Wert Public Service Co.....	GD.....	Van Wert, Convey, and Ohio City.	Van Wert.....	Van Wert.....	
115	Ferry, J. A., Light Plant.....	GD.....	Fayetteville.....	Fayetteville.....	Fayetteville.....	
116	Franklin Electric Light Co.....	D.....	Franklin.....	Franklin.....		
117	Frazesburg Electric Light Plant.....	GD.....	Frazesburg.....	Frazesburg.....	Frazesburg.....	
118	Gallipolis Electric & Power Co.....	GD.....	Gallipolis.....	Gallipolis.....	Gallipolis.....	
119	Gibsonburg Electric Light & Telephone Co.....	GD.....	Gibsonburg.....	Gibsonburg.....	Gibsonburg.....	
120	Gilmore Light & Power Co.....	D.....	Beach City.....	Beach City.....		
121	Green Spring Electric Light & Power Co.....	GD.....	Green Spring.....	Green Spring.....	Green Spring.....	
122	Greenville Electric Light & Power Co.....	HGD.....	Greenville, Bradford, Brookville.	Greenville.....	Greenville.....	
123	Brookville & Lewisburg Lighting Co.....	D.....	Lewisburg and vicinity.....			
124	Greenville Gas Light Co.....			Greenville.....		
125	Guinsler Electric Light & Power Co.....	GD.....	Bellville.....	Bellville.....	Bellville.....	
126	Do.....	GD.....	Junction City.....	Junction City.....	Junction City.....	
127	Hamilton Utilities Co.....	GD.....	Hamilton.....	Hamilton.....	Hamilton.....	
128	Hardin-Wyandot Lighting Co.....			Kenton.....	Kenton.....	
129	Do.....	GD.....	Kenton, Forest, Dunkirk, and Upper Sandusky.	Upper Sandusky.....	Upper Sandusky.....	
130	Harrison Electric & Water Co.....	GD.....	Harrison.....	Harrison.....	Harrison.....	
131	Hicksville Electric Light, Heat & Power Co.....	GD.....	Hicksville.....	Hicksville.....	Hicksville.....	
132	Hillsboro Light & Fuel Co.....	GD.....	Hillsboro.....	Hillsboro.....	Hillsboro.....	
133	Hocking Electric Power Co.....	GD.....	Athens.....	Athens.....	Athens.....	
134	Do.....	GD.....	Nelsonville.....	Nelsonville.....	Nelsonville.....	
135	Hocking Valley R. R. Co. (Lessor, Wellston & Jackson Belt Ry.)	GTD..... L.....		Wellston.....	Wellston.....	
136	Interurban Electric Light Co.....	D.....	Madeira.....	Madeira.....	Madeira.....	
137	Jamestown Electric Light Co.....	GD.....	Jamestown.....	Jamestown.....	Jamestown.....	
138	Jordan & Co. Light Plant.....			North Lewisburg.....		
139	Kalida Light Plant.....	D.....	Kalida.....	Kalida.....	Kalida.....	
140	Kanawha Traction & Electric Co.....	GD.....	Beverly.....	Beverly.....		Muskingum.....
141	Do.....	GD.....	Marietta & Lowell.....	Marietta.....	Marietta.....	
142	Kinsman Electric Co.....	GD.....	Kinsman.....	Kinsman.....	Kinsman.....	
143	Konst & Moore Light Plant.....	GD.....	Continental.....	Continental.....	Continental.....	
144	Kunkle Light & Power Co.....			Kunkle.....		
145	La Belle Iron Works.....	GD.....		Steubenville.....	Steubenville.....	
146	Lake Erie, Bowling Green & Napoleon Ry. Co.....	GTD.....	Bowling Green and Tontogany.	Bowling Green.....	Bowling Green.....	
147	Lake Shore Electric Ry. Co.....	HGTD.....	Bellevue, Vermilion, Bay Village, Berlin Heights, Castalia, Milan.	Cleveland.....	Cleveland.....	
148	Peoples Light & Power Co.....	D.....	do.....	do.....	do.....	
149	Lancaster Electric Light Co.....			Lancaster.....		
150	Leetonia Electric Co.....	D.....	Leetonia.....	Leetonia.....	Leetonia.....	
151	Leipsic Electric Light Plant.....			Leipsic.....		
152	Lewisburg Lighting Co.....	D.....	Lewisburg.....	Lewisburg.....	Lewisburg.....	
153	Lexington Electric Light & Power Co.....	D.....	Lexington.....	Lexington.....	Lexington.....	
154	Liberty Mill Co.....	D.....	East Liberty.....	East Liberty.....		
	Light & Development Co. of St. Louis.....	H.....				
155	Oberlin Gas & Electric Co.....	GD.....	Oberlin.....	Oberlin.....	Oberlin.....	
156	Ravenna Gas & Electric Light Co.....	GD.....	Ravenna.....	Ravenna.....	Ravenna.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## OHIO—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
88			1,400	2,400		1,800				M. Mc.
89		500	2,500	3,500		4,100				M. Mc.
90			1,093	3,000		2,400				M. Mc.
91			225	225		210				M. Mc.
92			19,100	48,590		36,290				Mc.
93			1,040	2,000		1,380				M. Mc.
94		400				300				M. Mc. C.
95		400				300				Mc. C.
96		400				300				Mc. C.
97			2,100	3,670		2,700				Mc.
98					350	250				Mc.
99										S.
100										Mc.
101										S.
102										S.
103			3,500	10,200		7,875				Mc.
104		330	1,680	1,900		2,030				Mc.
105			3,000	2,000		1,500				M.
106			700	350		270				Mc.
107			200	400		150				Mc.
108			100	100		60				Mc.
109			300	300		150				Mc.
110					245	125				Mc.
111	Private.....	145	500	600		550	\$0.09 - \$0.04	\$0.04 - \$0.017	Western Ohio Ry. Co.....	Mc. C.
112			1,200	2,500		1,500			Van Wert Public Service Co...	Mc.
113			502	450		350				Mc.
114			700	500		400				Mc.
115					10	8				Mc.
116									Middletown Gas & Electric Co.	Mc.
117					25	25				Mc.
118			300	380		300				Mc.
119			120	100		(60)				Mc.
120									Northern Ohio Traction & Light Co.	Mc.
121					80	47½				Mc.
122			600	1,330		1,000				M. Mc.
123										M.
124										M.
125					40	50				Mc.
126					50	30				Mc.
127			250	350		75				M. Mc.
128			600	820		650				M. Mc.
129			200	250		165				M. Mc.
130			175	230		290				M. Mc.
131			240	325		345				Mc.
132			350	800		650				M. Mc.
133			600	325		150				M. Mc.
134			600	1,600		1,012				M. Mc.
135			450	450		350				Mc.
136									Cincinnati & Columbus Traction Co.	Mc.
137			160	160		100				Mc.
138										S.
139									Ohio Electric Ry. Co...	Mc.
140	Government.....	175				135	.075- .04			Mc. C.
141	Private.....		3,000	3,000		2,250	.075- .035	.04- .02		C.
142		70			40	54				Mc.
143			300	275		225				Mc.
144										S.
145			5,000	2,800		2,550				Mc.
146			600	1,200		1,250				M. Mc.
147			6,950	11,000		7,800				M. Mc.
148										M. Mc.
149										S.
150									Youngstown & Ohio River R. R. Co.	Mc.
151										S.
152									Greenville Electric Light & Power Co.	Mc.
153									Smith Gas Power Co.	Mc.
154										Mc.
155			1,108	600		410				M. Mc.
156			450	600		500				M. Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## OHIO—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
157	Logan Light & Power Co.			Logan		
158	Loveland Light & Water Co.	GD	Loveland, Twightwee, Branch Hill.	Loveland	Loveland	
159	McConnellsville-Malta Electric Co.	GD	McConnellsville and Malta	Malta	Malta	
160	McCormick, J. B., Light Plant.			Fredericksburg		
161	McKee Light & Power Co.	D	Sebring	Sebring	Sebring	
162	Malvern Milling & Light Co.			Malvern		
163	Mantua Light, Heat & Power Co.	GD	Mantua	Mantua	Mantua	
164	Marblehead Power Co.	GD	Marblehead and Lakeside	Marblehead	Marblehead	
165	Marysville Light & Water Co.	GD	Marysville	Marysville	Marysville	
166	Mechanicsburg Light & Power Co.	GD	Mechanicsburg	Mechanicsburg	Mechanicsburg	Little Darby Creek
167	Medina Electric Light Plant.	GD	Medina	Medina	Medina	
168	Middlefield Electric Light & Power Plant.			Middlefield		
169	Middletown Gas & Electric Co.	GD	Middletown	Middletown	Middletown	
170	Middletown Lighting Co.			do		
171	Mingo Junction Light Co.	D	Mingo Junction, Brilliant, Deandale.	Mingo Junction	Mingo Junction	
172	Mount Blanchard Light & Water Co.	GD	Mount Blanchard	Mount Blanchard	Mount Blanchard	
173	Mount Eaton Milling & Light Co.			Mount Eaton		
174	Mount Gilead Water, Light, Heat & Power Co.	GD	Mount Gilead	Mount Gilead	Mount Gilead	
175	Mutual Electric Light Co.	GD	Middleport	Middleport	Middleport	
176	National Gas, Electric Light & Power Co. Bucyrus Light & Power Co.	H GD	Bucyrus	Bucyrus	Bucyrus	
177	New Comerstown Light, Heat & Power Co.	GD	New Comerstown	New Comerstown	New Comerstown	
178	New Jersey General Security Co. Kent Water & Light Co.	H GD	Kent	Kent	Kent	
179	New Lisbon Gas Co.	GD	Lisbon	Lisbon	Lisbon	
180	New Madison Lighting Co.	D	New Madison	New Madison	New Madison	
181	North Baltimore Service Co., The.	GD	North Baltimore	North Baltimore	North Baltimore	
182	Northern Ohio Traction & Light Co.	GTD	Akron	Cuyahoga Falls	Cuyahoga Falls	Cuyahoga River
183	Do.			Gorge	Canton	
184	Ohio Electric Railway Co.			Heoron	Hebron	
185	Do.			Lindenwald		
186	Do.			Medway	Medway	
187	Do.	HGT	Zanesville	Zanesville	Zanesville	
188	Do.			do	do	
189	Lima Electric Railway & Light Co.			Lima	Lima	
190	Ohio Pail Co.	GD	Middlefield	Middlefield	Middlefield	
191	Ohio Quarries Co.			Cleveland		
192	Ohio River Electric Railway & Power Co.	HGTD		Pomeroy	Pomeroy	
193	Pomeroy & Middleport Electric Co.	D	Pomeroy	do	do	
194	Ohio & Western Utilities Co. Chillicothe Electric Railroad, Light & Power Co.	H GTD	Chillicothe	Chillicothe	Yoctaugee Park	
195	Peoples Electric Co.	GD	Morrow	Morrow	Morrow	
196	Perrysville Electric Light Co.	GD	Perrysville	Perrysville	Perrysville	
197	Pilliod Light & Power Co.	GD	Grand Rapids and Weston	Grand Rapids	Grand Rapids	
198	Pointer, A. A., Light Plant.	GD	Antwerp	Antwerp	Antwerp	
199	Portsmouth Street Railroad & Light Co.	GTD	Portsmouth	New Boston	New Boston	
200	Prairie Depot Electric Plant.	D	Prairie Depot	Prairie Depot	Prairie Depot	
201	Prospect Electric Light & Power Co.	GD	Prospect	Prospect	Prospect	
202	Put-in-Bay Improvement Co. Republic Railway & Light Co.			Put-in-Bay		
203	Youngstown Consolidated Gas & Electric Co.	GD	Youngstown, Girard, Struthers, Hubbard, and Lowellville.	Lowellville	Lowellville	
204	Do.			Youngstown	Youngstown	
205	Resler Electric Light & Power Co.	GD	Caledonia	Caledonia	Caledonia	
206	Richwood Light, Heat & Power Co.	GD	Richwood	Richwood	Richwood	
207	Ripley Gas Light & Coke Co.	GD	Ripley	Ripley	Ripley	
208	Rockford Electric Light Co.	GD	Rockford, Wren, Hillshire	Rockford	Rockford	
209	Rocky River Water, Light & Power Co.	GD	Rocky River	Rocky River	Rocky River	
210	Rutschaw Electric Plant.	GD	Helena	Helena	Helena	
211	Salem Electric Light & Power Co.	GD	Salem	Salem	Salem	
212	Salineville Electric Light, Heat, & Power Co.	GD	Salineville	Salineville	Salineville	
213	Sandusky, Norwalk & Mansfield Electric Ry. Co.	D		Norwalk		
214	Sandusky River Power Co.			Fremont		
215	Shank, D. C., & Co. Light Plant.	GD		Pandora	Pandora	
216	Sherodsville Electric Light Co.			Sherodsville		
217	Slauser, J. A., Lumber Co.	GD	La Rue	La Rue	La Rue	
218	Smith Gas Power Co.			Lexington		
219	Southeastern Ohio Railway Light & Power Co.	GD		Elizabeth	Elizabeth	
220	Springfield, Troy & Piqua Ry. Co.	GD		Springfield	Springfield	
221	Springfield & Xenia Ry. Co.	TD		do		
222	Stark Electric R. R. Co.	GTD	Alliance	Alliance	Lake Park	
223	Star Electric Co.			Cleveland		
224	Steubenville & East Liverpool Railway & Light Co.		Steubenville, Toronto	Steubenville	Steubenville	
225	Stillwater Valley Electric Plant.	GD	West Milton, Potsdam, Philipsburg.	West Milton	West Milton	Stillwater River
226	Stockport Milling Co.			Stockport		
227	Sunbury Electric Light Plant.	GD	Sunbury	Sunbury	Sunbury	
228	Toledo, Bowling Green & Southern Transportation Co.	GTD	Findlay	Findlay	Findlay	
229	Toledo, Fostoria & Findlay Ry. Co.	GTD		Fostoria	Fostoria	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## OHIO—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from	Source of information.
157										S.
158			400	400		300				Mc.
159		260			75	180				Mc.
160										S.
161									Stark Electric Co.	Mc.
162										S.
163			150	80		62½				Mc.
164			(100)	135		112				Mc.
165			800	500		550				M. Mc.
166	Private	150	150	150		175		\$0.10-\$0.05		Mc. C.
167			200	175		175				Mc.
168										S.
169			760	2,400	500	2,900				Mc.
170										S.
171									Steubenville & Wheeling Traction Co.	Mc.
172					100	37½				Mc.
173										S.
174			280	170		150				Mc.
175			125	100	150	260				Mc.
176			225	275	500	570				Mc.
177			(400)	450		225				Mc.
178			500	725		356				M. Mc.
179			120	150	100	(150)			Youngstown & Ohio River R. R. Co.	Mc.
180									Greenville Light & Power Co.	Mc.
181			300	400		240				Mc.
182	Private	2,270				2,175	\$0.08-\$0.03	.05-.015		M. C. Mc.
183	Do.		16,600	31,000		33,000				M. C. Mc.
184			2,620	(5,100)		3,100				M. Mc.
185			1,000	(8,800)		5,250				Mc.
186			3,825	(8,900)		5,350				Mc.
187			1,200	3,000		2,750				C. Mc.
188		700				750	.08-.025	.06-.01		M. C.
189			2,650	2,000		2,525				M. Mc.
190			80	60		60				Mc.
191										S.
192			600	500		300				Mc.
193									Ohio River Electric Railway & Power Co.	M. Mc.
194			750	1,500		1,420				M. Mc.
195		150	100	100		115				Mc.
196			50	70		(42)				Mc.
197			368	125	225	100				Mc.
198			250	230		170				Mc.
199			1,500	2,400		1,800				M. Mc.
200										Mc.
201			70	60		(35)			Columbus, Delaware & Marion Ry. Co.	Mc.
202										S.
203	{		6,700	16,330		12,000				{M. Mc.
204										{M. Mc.
205			120	75		60				Mc.
206			150	150		150				Mc.
207			125	125		120				M. Mc.
208			150	185		265				Mc.
209			120	70		50				Mc.
210			35	25		(15)				Mc.
211					1,100	600				Mc.
212			200	200		150				Mc.
213									Cleveland Southwestern & Columbus Ry. Co.	Mc.
214										M.
215			100	85		70				Mc.
216										S.
217			100	120		60				Mc.
218										M. Mc.
219			1,200	(2,800)		1,700				
220			1,200	1,700		1,080				M. Mc.
221									Springfield, Troy & Piqua Ry. Co.	M. Mc.
222			1,400	3,070		2,300				M. Mc.
223										S.
224			3,000	3,330		2,500				M. Mc.
225	Private	165			100	150	.125-.10	.05		Mc. C.
226										S.
227					85	50				Mc.
228			1,500	3,000		4,000				M. Mc.
229			800	800		500			Lake Shore Electric Ry. Co.	M. Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## OHIO—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
230	Toledo & Indiana R. R. Co.	GTD...	Toledo and Stryker.	Stryker.	Stryker.	
231	Twin City Light & Power Co.			Sugar Creek.		
232	Union Light & Water Co.	GD...	Milford Center.	Milford Center.	Milford Center.	
233	United Light & Power Co.	GD...	Geneva, Madison, Unionville	Geneva.	Geneva.	
	United Public Utilities Co. of Delaware.	H.				
234	Defiance Gas & Electric Co.	GD...	Defiance.	Defiance.	Defiance.	
235	Maumee Valley Electric Co.		Suburban Light & Power Co.			
236	Suburban Light & Power Co.					
237	Valley Light & Power Co.	D.	Maumee, Perrysburg, Swanton and vicinity.	Maumee.		
	United Service Co.	H.				
238	Coshocton Light & Heat Co.	GTD...	Coshocton, Roscoe.	Coshocton.	Coshocton.	
239	Do.			Roscoe.	Roscoe.	
240	Ohio Service Co.	GD...	Cambridge, and Byesville.	Cambridge.	Cambridge.	
241	Do.	GD...	New Philadelphia, Canal Dover, Dennison, Uhrichsville.	New Philadelphia.	New Philadelphia.	Tuscaranas.
242	Do.	GD...	Strasburg.	Strasburg.	Strasburg.	
243	United States (Army).	GTD...	Zanesville and vicinity.	Dam No. 10.	Zanesville.	Muskingum.
244	Do.					
245	Do.					
246	Wadsworth Light & Water Co.	GD...	Wadsworth.	Wadsworth.	Wadsworth.	
247	Washington Gas & Electric Co.	GD...	Washington, Bloomingburg, Jeffersonville, and Holland.	Washington Court-house.	Washington Court-house.	
248	Waynesburg Electric Co.			Waynesburg.		
249	Western Ohio R. R. Co. (Lessor, Western Ohio Ry. Co.)	GD L.	Rawson, Mount Cory, Anna, Botkins, and Sidney.	St. Marys.	St. Marys.	
250	West Liberty Light & Power Co.	D.	West Liberty.	West Liberty.	West Liberty.	
251	West Salem Electric Light Plant.			West Salem.		
252	West Unity Power & Light Co.	GD...	West Unity, Kunkle, and Pioneer.	West Unity.	West Unity.	
253	White Oak Milling Co.			Rushsylvania.		
254	Williams Light Plant.	GD...	Lodi.	Lodi.	Lodi.	
255	Winchester Electric Light & Power Co.			Winchester.		
256	Windham Electric Co.	D.	Windham.	Windham.		
257	Woodville Electric Light Co.			Woodville.		
258	Wooster Electric Co.	GD...	Wooster.	Wooster.	Wooster.	
259	Youngstown & Ohio River R. R. Co.	GT.	East Liverpool Traction & Light Co.	West Point.	West Point.	

## B.—MUNICIPAL PLANTS.

260		GD...	Amherst and North Amherst	Amherst.	Amherst.	
261		D.	Anna.	Anna.	Anna.	
262		GD...	Arcadia.	Arcadia.	Arcadia.	
263		GD...	Arcanum.	Arcanum.	Arcanum.	
264		GD...	Arlington.	Arlington.	Arlington.	
265		GD...	Ashtabula.	Ashtabula.	Ashtabula.	
266		GD...	Attica.	Attica.	Attica.	
267		GD...	Bainbridge.	Bainbridge.	Bainbridge.	
268		GD...	Batavia.	Batavia.	Batavia.	
269		GD...	Belle Center.	Belle Center.	Belle Center.	
270		GD...	Bellefontaine.	Bellefontaine.	Bellefontaine.	
271		GD...	Berea.	Berea.	Berea.	
272		D.	Bethel.	Bethel.	Bethel.	
273		GD...	Blanchester.	Blanchester.	Blanchester.	
274		GD...	Bluffton.	Bluffton.	Bluffton.	
275		GD...	Bradner and Risingsun.	Bradner.	Bradner.	
276		GD...	Bryan.	Bryan.	Bryan.	
277		GD...	Buckland.	Buckland.	Buckland.	
278		GD...	Butler.	Butler.	Butler.	
279		GD...	Caldwell.	Caldwell.	Caldwell.	
280		GD...	Canal Dover.	Canal Dover.	Canal Dover.	
281		GD...	Carey.	Carey.	Carey.	
282		GD...	Celina.	Celina.	Celina.	
283		GD...	Chardon.	Chardon.	Chardon.	
284		GD...	Chicago Junction.	Chicago Junction.	Chicago Junction.	
285		GD...	Cleveland.	Cleveland.	Cleveland.	
286		GD...	Clyde.	Clyde.	Clyde.	
287		GD...	Columbiana.	Columbiana.	Columbiana.	
288		GD...	Columbus.	Columbus.	Columbus.	
289		GD...	Columbus Grove.	Columbus Grove.	Columbus Grove.	
290		GD...	Conneaut.	Conneaut.	Conneaut.	
291		D.	Creston.	Creston.	Creston.	
292		GD...	Cuyahoga Falls.	Cuyahoga Falls.	Cuyahoga Falls.	
293		GD...	Degraff.	Degraff.	Degraff.	
294		GD...	East Palestine.	East Palestine.	East Palestine.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## OHIO—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
230			2,000	2,000		1,200				M. Mc.
231										S.
232			80	80	100	60				Mc.
233			200	225		(130)				Mc.
234			500	450		450				M. Mc.
235		3,700				2,300				M.
236										M.
237									Maumee Valley Electric Co. & Anglaize Power Co.	Mc.
238			2,900	6,300		4,800				Mc.
239		1,330				1,000				Mc.
240			1,200	1,600		1,300			Coshocton Light and Heating Co.	M. Mc.
241		300	1,000	2,130		1,700	\$0.10 - \$0.03	\$0.09-\$0.01		Mc. C.
242			160	160		85				M. Mc.
243	Government.....	1,252	1,150	3,000		3,000	.08 - .025	.06- .01		C.
244										
245										
246			250	420		300				Mc.
247			550	450		350				Mc.
248										M. Mc.
249			5,000	11,330		8,500				M. Mc.
250									Ohio Electric Ry. Co.....	Mc.
251										S.
252			125	114		65				Mc.
253										S.
254			60	50	50	80				Mc.
255										S.
256									Trumbull Public Service Co....	Mc.
257										S.
258			850	750		325	.125- .07	.05- .018		M. Mc.
259			2 000	3,000		2,000				M. Mc.
Total, A.....		19,773	260,472	555,674	5,938	436,321				

## B.—MUNICIPAL PLANTS.

260					275	175			Geo. E. Milligan Co.....	Mc.
261									Western Ohio R. R. Co.....	Mc.
262			100	40		30				Mc.
263			150	225		195				Mc.
264			100	100	100	75				Mc.
265			1,024	1,950		1,415				Mc.
266			100	80		75				Mc.
267			250	125		165				Mc.
268			200	100		75				Mc.
269			160	85		60				Mc.
270					450	320				Mc.
271			375	550		480				Mc.
272									Cincinnati, Georgetown & Portsmouth R. R. Co.	Mc.
273			150	125		150				Mc.
274			235	225		140				Mc.
275			160	150		75				Mc.
276				900		675				Mc.
277					19	25				Mc.
278			110	90		60				Mc.
279					150	(90)				Mc.
280					100	150				Mc.
281			285	325		200				Mc.
282			450	450		295				Mc.
283			250	200		90				Mc.
284			250	215		300				Mc.
285			1,000	20,000		15,000				Mc.
286			400	360		300				Mc.
287			300	300		190				Mc.
288			1,800	5,600		4,200				Mc.
289			250	325		300				Mc.
290			700	875		525				Mc.
291									Cleveland, Southwestern & Columbus R. R. Co.	Mc.
292			250	500		315				Mc.
293			160	170		60				Mc.
294			250	280		90				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

B.—OHIO—Continued.

B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
295		D	Elmore	Elmore	Elmore	
296		GD	Fort Recovery	Fort Recovery	Fort Recovery	
297		GD	Galion	Galion	Galion	
298		GD	Georgetown	Georgetown	Georgetown	
299		GD	Germantown	Germantown	Germantown	
300		GD	Glouster	Glouster	Glouster	
301		GD	Granville	Granville	Granville	
302		GD	Greenfield	Greenfield	Greenfield	
303		GD	Greenwich	Greenwich	Greenwich	
304		GD	Hamilton	Hamilton	Hamilton	
305		GD	Hiram	Hiram	Hiram	
306		GD	Holgate	Holgate	Holgate	
307		GD	Hubbard	Hubbard	Hubbard	
308		GD	Hudson	Hudson	Hudson	
309		GD	Huron	Huron	Huron	
310		GD	Jackson	Jackson	Jackson	
311		GD	Johnstown	Johnstown	Johnstown	
312		D	Kunkle	Kunkle	Kunkle	
313		GD	Lebanon	Lebanon	Lebanon	
314		GD	London	London	London	
315		GD	Loudonville	Loudonville	Loudonville	
316		D	Lowellville	Lowellville	Lowellville	
317		GD	Lynchburg	Lynchburg	Lynchburg	
318		GD	McArthur	McArthur	McArthur	
319		GD	McComb	McComb	McComb	
320		GD	Manchester	Manchester	Manchester	
321		GD	Marietta	Marietta	Marietta	
322		GD	Martins Ferry	Martins Ferry	Martins Ferry	
323		GD	Miamisburg	Miamisburg	Miamisburg	
324		D	Milan	Milan	Milan	
325		GD	Mineral Center	Mineral Center	Mineral Center	
326		GD	Minerva	Minerva	Minerva	
327		GD	Minster	Minster	Minster	
328		GD	Monroeville	Monroeville	Monroeville	
329		GD	Montpelier	Montpelier	Montpelier	
330		GD	Mount Sterling	Mount Sterling	Mount Sterling	
331		GD	Napoleon	Napoleon	Napoleon	
332		GD	Nelsonville	Nelsonville	Nelsonville	
333		GD	Newark	Newark	Newark	
334		GD	New Bremen	New Bremen	New Bremen	
335		GD	New London	New London	New London	
336		GD	New Richmond	New Richmond	New Richmond	
337		GD	Niles	Niles	Niles	
338		GD	Norwood	Norwood	Norwood	
339		D	Oakharbor	Oakharbor	Oakharbor	
340		GD	Oxford	Oxford	Oxford	
341		GD	Painesville	Painesville	Painesville	
342		GD	Paulding	Paulding	Paulding	
343		GD	Payne	Payne	Payne	
344		D	Pemberville	Pemberville	Pemberville	
345		D	Pioneer	Pioneer	Pioneer	
346		GD	Plain City	Plain City	Plain City	
347		GD	Plymouth	Plymouth	Plymouth	
348		GD	Reading	Reading	Reading	
349		GD	Sabina	Sabina	Sabina	
350		GD	St. Bernard	St. Bernard	St. Bernard	
351		GD	St. Clairsville	St. Clairsville	St. Clairsville	
352		GD	St. Marys	St. Marys	St. Marys	
353		GD	St. Paris	St. Paris	St. Paris	
354		GD	Shelby	Shelby	Shelby	
355		GD	Sherwood	Sherwood	Sherwood	
356		GD	South Vienna	South Vienna	South Vienna	
357		D	Spencerville	Spencerville	Spencerville	
358			Stryker	Stryker	Stryker	
359		GD	Sycamore	Sycamore	Sycamore	
360		GD	Tippecanoe City	Tippecanoe City	Tippecanoe City	
361		GD	Troy	Troy	Troy	
362		GD	Versailles	Versailles	Versailles	
363		GD	Wapakoneta	Wapakoneta	Wapakoneta	
364		GD	Waverly	Waverly	Waverly	
365		GD	Waynesville	Waynesville	Waynesville	
366		GD	Wellington	Wellington	Wellington	
367		GD	Wellston	Wellston	Wellston	
368			Westerville	Westerville	Westerville	
369		GD	West Mansfield	West Mansfield	West Mansfield	
370		GD	Williamsburg	Williamsburg	Williamsburg	
371		D	Willoughby	Willoughby	Willoughby	
372		GD	Woodsfield	Woodsfield	Woodsfield	
373		D	Yellow Springs	Yellow Springs	Yellow Springs	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## OHIO—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
295									Northwestern Ohio Railway & Power Co.	Mc.
296			300	85		125				Mc.
297			1,100	750		500				Mc.
298			300	125		70				Mc.
299			250	375		148				Mc.
300			(150)	225		100				Mc.
301			200	42		(25)				Mc.
302			(600)	760		400				Mc.
303			220	90		70				Mc.
304			1,000	1,500		1,000				Mc.
305									S. H. Bruce.	Mc.
306			170	250		75				Mc.
307			160	215		150				Mc.
308					150	100				Mc.
309			260	220		200				Mc.
310			300	400		250				Mc.
311			120	60		35				Mc.
312									West Unity Power & Light Co.	Mc.
313			600	450		270				Mc.
314			450	305		220				Mc.
315			(100)	160		35				Mc.
316									Youngstown Consolidated Gas & Electric Co.	Mc.
317			180	120		100				Mc.
318			75	60		35				Mc.
319			225	125		62½				Mc.
320			300	125		90				Mc.
321			400	350		75				Mc.
322			600	1,100		800				Mc.
323			450	550		400				Mc.
324									Lake Shore Electric Ry. Co.	Mc.
325			80	75		50				Mc.
326			100	150		80				Mc.
327					300	187½				Mc.
328			150	150		50				Mc.
329			460	385		275				Mc.
330			300	210		150				Mc.
331	Private	175	490	400		490	\$0.07-\$0.04	\$0.07-\$0.04		Mc. C.
332			525	488		435				Mc.
333			150	350		260				Mc.
334			160	110	75	125				Mc.
335			110	215		160				Mc.
336			160	120		60				Mc.
337									Hydro-Electric & Gas Co.	Mc.
338			800	825	300	705				Mc.
339									Northwestern Ohio Railway & Power Co.	Mc.
340			300	200		115				Mc.
341			300	500		350				Mc.
342			150	160		160				Mc.
343			200	150		100				Mc.
344										Mc.
345									West Unity Power & Light Co.	Mc.
346			300	160		125				Mc.
347					100	110				Mc.
348			500	400		300				Mc.
349			160	150		100				Mc.
350			500	325		181				Mc.
351			300	250		175				Mc.
352			600	500		300				Mc.
353			200	150		95				Mc.
354			200	450		260				Mc.
355			55	35	55	60				Mc.
356					35	25				Mc.
357										Mc.
358										S.
359			120	80		30				Mc.
360			240	440		150				Mc.
361			760	940		910				Mc.
362			300	350		200				Mc.
363			650	600		300				Mc.
364			300	140		150				Mc.
365			160	125		75				Mc.
366			265	450		300				Mc.
367			400	180		150				Mc.
368										S.
369			250	100		90				Mc.
370			100	100		200				Mc.
371									Cleveland, Painesville & E. R. R. Co.	Mc.
372			250	250	200	170				Mc.
373									Dayton Power & Light Co.	Mc.
Total, B.		175	29,014	53,450	2,309	39,839				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## OHIO—Continued.

## C.—ALL OTHER PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
374	Cincinnati, Georgetown & Portsmouth R. R. Co.	G	Electric railways	Lake Allyn	Lake Allyn	
375	Cincinnati, Lawrenceburg & Aurora Electric Street R. R.	G	do.	North Bend	North Bend	
376	City Railway Co.	G	do.	Emily Street	Dayton	
377	Cleveland Railway Co.	G	do.	Cedar Avenue	Cleveland	
378	Do.		do.	Washington Avenue	do.	
379	Columbus, Magnetic Springs & Northern Ry. Co.	G	do.	Scioto River	Scioto River	
380	Dayton, Springfield & Xenia Southern Ry. Co.	G	do.	Shoup Station	Shoup Station	
381	Dayton & Troy Electric Ry. Co.	G	do.	Tippecanoe City	Tippecanoe City	
382	Gallipolis & Northern Traction Co.	G	do.	East Gallipolis	East Gallipolis	
383	Interurban Railway & Terminal Co.	G	do.	Coney Island	Coney Island	
384	Do.		do.	South Lebanon	South Lebanon	
385	Lancaster Traction & Power Co.	G	do.	Fair Avenue	Lancaster	
386	Oakwood Street Ry. Co.	G	do.	Brown Avenue	Dayton	
387	Ohio Traction Co.	G		Cummingsville		
388	Do.			Depot Street		
389	Do.			Hartwell	Hartwell	
390	Do.			Hunt Street		
391	Do.			Pendleton		
392	Do.			Winton Place		
393	Pennsylvania & Ohio Ry. Co.		do.	Ashtabula	Ashtabula	
394	Scioto Valley Traction Co.	G	do.	Rees Station	Rees Station	
395	Tiffin, Fostoria & Eastern Electric Ry. Co.	G	do.	Bascom	Bascom	

## OKLAHOMA.

## A.—PUBLIC UTILITY PLANTS.

1	Ada Electric & Gas Co.	GD	Ada	Ada	Ada	
2	Alva Light & Power Co.	GD	Alva	Alva	Alva	
	American Public Service Co.	H				
3	Hugo Ice & Light Co.	GD	Hugo	Hugo	Hugo	
4	Okmulgee Ice & Light Co.	GD	Okmulgee	Okmulgee	Okmulgee	
5	Antlers Light & Power Co.	GD	Antlers	Antlers	Antlers	
6	Armore Ice, Light & Power Co.	GD	Ardmore	Ardmore	Ardmore	
7	Boley Light, Power & Manufacturing Co.	GD	Boley	Boley	Boley	
8	Broken Arrow Electric Light & Power Co.	GD	Broken Arrow	Broken Arrow	Broken Arrow	
	Byllesby, H. M., & Co.	M				
9	El Reno Gas & Electric Co.	GD	El Reno and Darlington	El Reno	El Reno	
10	Enid Electric & Gas Co.	GD	Enid	Enid	Enid	
11	Muskogee Gas & Electric Co.	GD	Muskogee and Fort Gibson	Muskogee	Muskogee	
12	Oklahoma Gas & Electric Co.	GD	Oklahoma, Britton, and Capitol Hill	Oklahoma	Oklahoma	
13	Sapulpa Electric Co.	GD	Sapulpa	Sapulpa	Sapulpa	
14	Caddo Power Co.	GD	Caddo	Caddo	Caddo	
15	Carter Light & Power Co.	GD	Carter	Carter	Carter	
16	Chandler Electric Co.	GD	Chandler	Chandler	Chandler	
17	Checotah Water, Light & Ice Co.	GD	Checotah and vicinity	Checotah	Checotah	
18	Choctaw Railway & Lighting Co.	GD	McAlester, Alderson, Krebo, and Daw	McAlester	McAlester	
19	City Light & Ice Co. of Pryor	GD	Pryor	Pryor	Pryor	
20	Crystal Ice Co.	GD	Weleetka	Weleetka	Weleetka	
21	Cushing Electric Light & Power Co.	GD	Cushing	Cushing	Cushing	
22	Davis Electric Light Co.	GD	Davis	Davis	Davis	
23	Degnan & McConnell Electric Light Co.	GD	Wilburton	Wilburton	Wilburton	
	Doherty Operating Co.	M				
24	Bartlesville Interurban Ry. Co.	GTD	Bartlesville and Dewey	Bartlesville	Bartlesville	
25	Durant Ice & Light Co.	GD	Durant	Durant	Durant	
26	Dustin Light & Power Co.	GD	Dustin	Dustin	Dustin	
27	Elk City Ice, Fuel & Light Co.	GD	Elk City and vicinity	Elk City	Elk City	
28	Fairland Light & Power Co.	GD	Fairland	Fairland	Fairland	
	Federal Light & Traction Co.	H				
29	Hobart Electric Co.	GD	Hobart	Hobart	Hobart	
30	Fort Towson Electric Light & Power Co.	D	Fort Towson	Fort Towson	Fort Towson	
31	Foster-Harris Gin & Electric Co.	GD	Frederick	Frederick	Frederick	
32	Grandfield Light & Power Co.	GD	Grandfield	Grandfield	Grandfield	
33	Gotebo Light & Power Co.	GD	Gotebo	Gotebo	Gotebo	
34	Guymon Electric Light & Power Co.	GD	Guymon	Guymon	Guymon	
35	Heavener Light & Power Co.	GD	Heavener	Heavener	Heavener	
36	Hennessey Electric Light, Power & Ice Co.	GD	Hennessey	Hennessey	Hennessey	
37	Henryetta Ice & Light Co.	GD	Henryetta	Henryetta	Henryetta	
38	Holdenville Ice & Electric Co.	GD	Holdenville	Holdenville	Holdenville	
39	Hominy Ice, Light & Power Co.	GD	Hominy	Hominy	Hominy	
40	Indianola Ice, Light & Power Co.	GTD	Haileyville & Hartshorne	Haileyville	Haileyville	
	Kirkpatrick, O. H.	GD				
41	(Lessor Ryan Light & Water Co., Munic.)	L	Ryan	Ryan	Ryan	
42	Lawton Railway & Light Co.	GD	Lawton	Lawton	Lawton	
43	Leflore County Gas & Electric Co.	GD	Poteau and Witleville	Poteau	Poteau	
	Light & Development Co. of St. Louis	H				
44	Talequah Light & Power Co.	GD	Talequah	Talequah	Talequah	
45	Madill Ice, Light & Power Co.	GD	Madill	Madill	Madill	



MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

OHIO—Continued.  
C.—ALL OTHER PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
374			1,800	1,600		1,200				M. Mc.
375			1,000	1,200		800				M. Mc.
376			1,700	3,200		2,000				M. Mc.
377			14,554	27,100		17,700				M. Mc.
378										Mc.
379			600	500		300				M. Mc.
380			1,000	1,200		800				M. Mc.
381			1,200	1,000		800				M. Mc.
382			300	425		350				M. Mc.
383			2,100	3,157		1,800				M. Mc.
384			1,050	1,775		(1,050)				M. Mc.
385					250	225				M. Mc.
386			900	800		600				M. Mc.
387										M.
388										Mc.
389			21,825	65,611		48,100				M. Mc.
390										Mc.
391										Mc.
392										M. Mc.
393										M. Mc.
394			2,300	3,600		2,300				M. Mc.
395			500	1,000		1,000				M. Mc.
Total, C.....			50,829	112,168	250	79,025				
Grand total.....		19,948	340,315	721,292	8,497	555,185				

OKLAHOMA.  
A.—PUBLIC UTILITY PLANTS.

1			550	700		500	\$0.12 - \$0.06	\$0.08 - \$0.015		M. Mc. C.
2	Private.....		160	275	225	350	.142 - .07	.10 - .05		Mc. C.
3	Private.....		981	650	225	800	.15 - .06	.08 - .02		M.
4	Do.....		1,218	950	300	975	.15 - .06	.06 - .015		M. Mc. C.
5			150	125	65	50				M. Mc. C.
6	Private.....		1,200	1,525		905	.16	.08		Mc.
7			60	100		80				Mc. C.
8	Private.....		200	375		205	.10 - .05	.05 - .025		
9	Do.....		600	950		575	.12 - .05	.05 - .02		M. Mc. C.
10	Do.....		1,245	1,325		1,500	.15 - .045	.10 - .02		M. Mc. C.
11	Do.....		3,130	5,350		4,600	.14 - .012	.015 - .012		M. Mc. C.
12	Do.....		4,500	8,500		6,510	.099 - .014	.045 - .021		M. Mc. C.
13	Do.....				1,090	750	.12 - .0475	.05 - .017		M. Mc. C.
14			100	125		50				Mc.
15	Private.....				25	15				C.
16	Do.....		140	120	60	180	.15 - .08	.06 - .04		Mc. C.
17	Do.....		350	300		250	.14 - .03	.10 - .04		Mc. C.
18			1,200	1,650		1,480				M. Mc.
19	Private.....		300	280		150	.14 - .08	.14 - .04		Mc. C.
20			250	225		75				Mc.
21			500	500		300				Mc.
22	Private.....		60	80		100	.18 - .10	.05 - .02		Mc. C.
23	Do.....		(200)	210		175	.15 - .09	.10 - .04		Mc. C.
24	Do.....		1,525	1,420		1,075	.10 - .05	.06 - .02		M. Mc. C.
25	Do.....		550	875		640	.10 - .07			Mc. C.
26			100	75		100				Mc.
27	Private.....		400	400		315	.15 - .05	.15 - .02		Mc. C.
28					25	(15)				Mc.
29			300	500		350				M. Mc.
30	Private.....						.15		Pine Belt Lumber Co.....	M. Mc.
31			250	250		175				Mc.
32						37½				Mc.
33					20	15				Mc. C.
34			160	125		75				Mc.
35	Private.....		120	120		75	.15 - .09	.10 - .04		C.
36			80	120	90	115				Mc.
37			420	450		310				Mc. C.
38	Private.....		425	300		225	.15 - .07	.055 - .03		Mc. C.
39			(100)	100		72				Mc.
40	Private.....		350	347		150	.12	.10 - .03		Mc. C.
41			300	125		125				Mc.
42			350	550		400				Mc.
43			160	200		135	.10 - .06	.10 - .03		Mc. C.
44			300	200		125	.15 - .03			M. Mc. C.
45			200	130		60				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## OKLAHOMA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
46	Maud Electric Light Co.....		Maud.....	Maud.....	Maud.....	
47	McAlester, Edwards Coal Co.....	G.....	Pittsburg Water & Light Co.	Pittsburg.....	Near Pittsburg.....	
	Middle West Utilities Co.....	H.....				
48	Chickaska Gas & Electric Co.....	GD.....	Chickaska.....	Chickaska.....	Chickaska.....	Washita River.....
49	Public Service Co. of Oklahoma.....	GD.....	Atoka.....	Atoka.....	Atoka.....	
50	Do.....	GDT.....	Coalgate, Phillips, Lehigh.....	Coalgate.....	Coalgate.....	
51	Do.....	GD.....	Guthrie.....	Guthrie.....	Guthrie.....	
52	Do.....	GD.....	Lehigh.....	Lehigh.....	Lehigh.....	
53	Do.....	GD.....	Tulsa.....	Tulsa.....	Tulsa.....	
54	Do.....	GD.....	Vinita.....	Vinita.....	Vinita.....	
55	Minco Electric & Water Co.....	GD.....	Minco.....	Minco.....	Minco.....	
56	Norman Milling & Grain Co.....	GD.....	Norman.....	Norman.....	Norman.....	
57	Nowata Electric Light & Power Co.....	GD.....	Nowata.....	Nowata.....	Nowata.....	
58	Okeene Milling Co.....	GD.....	Okeene.....	Okeene.....	Okeene.....	
59	Perkins Electric Light & Power Co.....	GD.....	Perkins.....	Perkins.....	Perkins.....	
60	Pioneer Electric & Power Co.....	GD.....	Eufaula.....	Eufaula.....	Eufaula.....	
61	Pittsburg Water & Light Co.....	D.....	Pittsburg.....	Pittsburg.....	Pittsburg.....	
62	Sand Springs Power, Light & Water Co.....	GD.....	Tulsa.....	Sand Springs.....	Sand Springs.....	
63	Shawnee Gas & Electric Co.....	GTD.....	Shawnee and Tecumseh.....	Shawnee.....	Shawnee.....	
	Southwestern Cities Electric Co.....	H.....				
64	Comanche Light & Power Co.....	GD.....	Comanche.....	Comanche.....	Comanche.....	
65	Duncan Electric & Ice Co.....	GD.....	Duncan.....	Duncan.....	Duncan.....	
66	Mangum Electric Co.....	GD.....	Mangum.....	Mangum.....	Mangum.....	
67	Stigler Light & Power Co.....	GD.....	Stigler.....	Stigler.....	Stigler.....	
68	Sulphur Ice, Light & Power Co.....	GD.....	Sulphur.....	Sulphur.....	Sulphur.....	
69	Tishomingo Light & Power Co.....	GD.....	Tishomingo.....	Tishomingo.....	Tishomingo.....	
70	Washita Electric Power Co.....	GD.....	Pauls Valley.....	Pauls Valley.....	Pauls Valley.....	
71	Waurika Ice & Electric Co.....	GD.....	Waurika.....	Waurika.....	Waurika.....	
72	Westville Light & Power Co.....	GD.....	Westville.....	Westville.....	Westville.....	
73	Woodward Cotton Co.....	GD.....	Woodward.....	Woodward.....	Woodward.....	
	Yukon Mill & Grain Co.....	H.....				
74	Yukon Electric Co.....	GD.....	Yukon.....	Yukon.....	Yukon.....	

## B.—MUNICIPAL PLANTS.

75		GD.....	Anadarko.....	Anadarko.....	Anadarko.....	Washita River.....
76		GD.....	Afton.....	Afton.....	Afton.....	
77		GD.....	Altus.....	Altus.....	Altus.....	
78		GD.....	Apache.....	Apache.....	Apache.....	
79		GD.....	Arapaho.....	Arapaho.....	Arapaho.....	
80		GD.....	Blackwell.....	Blackwell.....	Blackwell.....	
81		GD.....	Carmen.....	Carmen.....	Carmen.....	
82		GTD.....	Cherokee and Ingersoll.....	Cherokee.....	Cherokee.....	
83		GD.....	Claremore.....	Claremore.....	Claremore.....	
84		GD.....	Clinton.....	Clinton.....	Clinton.....	
85		GD.....	Collinsville.....	Collinsville.....	Collinsville.....	
86		GD.....	Cordell.....	Cordell.....	Cordell.....	
87		GD.....	Custer City.....	Custer City.....	Custer City.....	
88		GD.....	Durant.....	Durant.....	Durant.....	
89		GD.....	Edmond.....	Edmond.....	Edmond.....	
90		GD.....	Fairview.....	Fairview.....	Fairview.....	
91		GD.....	Foss.....	Foss.....	Foss.....	
92		GD.....	Granite.....	Granite.....	Granite.....	
93		GD.....	Grove.....	Grove.....	Grove.....	
94		GD.....	Helena.....	Helena.....	Helena.....	
95		D.....	Ingersoll.....	Ingersoll.....	Ingersoll.....	
96		GD.....	Kingfisher.....	Kingfisher.....	Kingfisher.....	
97		GD.....	Kiowa.....	Kiowa.....	Kiowa.....	
98		GD.....	Lindsay.....	Lindsay.....	Lindsay.....	
99		GD.....	Lone Wolf.....	Lone Wolf.....	Lone Wolf.....	
100		GD.....	Marietta.....	Marietta.....	Marietta.....	
101		GD.....	Marlow.....	Marlow.....	Marlow.....	
102		GD.....	Medford.....	Medford.....	Medford.....	
103		GD.....	Miami.....	Miami.....	Miami.....	
104		GD.....	Newkirk.....	Newkirk.....	Newkirk.....	
105		GD.....	Okemah.....	Okemah.....	Okemah.....	
106		GD.....	Pawhuska.....	Pawhuska.....	Pawhuska.....	
107		GD.....	Pawnee.....	Pawnee.....	Pawnee.....	
108		GD.....	Perry.....	Perry.....	Perry.....	
109		GD.....	Ponca City.....	Ponca City.....	Ponca City.....	
110		GD.....	Pond Creek.....	Pond Creek.....	Pond Creek.....	
111		GD.....	Prague.....	Prague.....	Prague.....	
112		GTD.....	Purcell and Lexington.....	Purcell.....	Purcell.....	
113		GD.....	Ralston.....	Ralston.....	Ralston.....	
114		GD.....	Roff.....	Roff.....	Roff.....	
115		GD.....	Sallisaw.....	Sallisaw.....	Sallisaw.....	
116		GD.....	Sayre.....	Sayre.....	Sayre.....	
117		GD.....	Shattuck.....	Shattuck.....	Shattuck.....	
118		GD.....	Snyder.....	Snyder.....	Snyder.....	
119		GD.....	Spiro.....	Spiro.....	Spiro.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## OKLAHOMA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
46					50	75	\$0.15			C.
47	Private.....		350	75		50				C.
48	Private.....	1,200	1,100	1,800		1,355	\$0.08 - .02	\$0.05 - \$0.0125		M. Mc.
49	Do.....		225	200		115	.15 - .08	.09 - .04		M. Mc. C.
50	Do.....		375	350		325	.15 - .08	.09 - .02		M. Mc. C.
51	Do.....		1,050	1,550		1,012	.14 - .08	.09 - .02		M. Mc. C.
52	Do.....		160	150		100	.15 - .08	.09 - .02		M. Mc. C.
53	Do.....		3,000	3,340	1,300	3,610	.11 - .06	.09 - .02		M. Mc. C.
54	Do.....		750	800		500	.14 - .08	.09 - .02		M. Mc. C.
55			160	100		60				M. C.
56	Private.....		350	150	225	440	.15 - .06	.10 - .06		Mc. C.
57	Do.....				415	300	.11 - .08	.06 - .05		Mc. C.
58	Do.....		200	150		60	.15 - .10			Mc. C.
59			50	40		30				Mc.
60	Private.....		200	100		75				Mc. C.
61	Do.....						.12 - .06		McAlester-Edwards Coal Co.	Mc. C.
62					1,000	800				Mc.
63	Private.....		1,174	1,450		1,100	.15 - .10	.05 - .015		M. Mc. C.
64			375	550	225	575	.15 - .05	.10 - .03		M. Mc.
65			275	285		200				M. C.
66	Private.....		550	500		450	.16 - .09	.10 - .03		M. Mc.
67			125	156		75				M. Mc. C.
68	Private.....		375	325		225	.15 - .083			Mc.
69		200	160	175		362				Mc. C.
70	Private.....		300	750		375	.15 - .10	.06 - .0325		Mc.
71			450	(125)		75				M. Mc. C.
72	Private.....		100	80		60		.15		Mc. C.
73	Do.....		200	410	160	200	.10 - .08	.07 - .05		Mc. C.
74			220	300		125				Mc.
Total, A.....		1,400	35,458	44,513	5,500	37,896				Mc.

## B.—MUNICIPAL PLANTS.

75	Private.....	358	410	160		200	\$0.10 - \$0.04	\$0.06 - \$0.02		Mc. C.
76	Do.....		325	220		150	.15 - .045	.06 - .04		Mc. C.
77			150	400		350				Mc.
78	Private.....		400	125		100				Mc. C.
79					80	75	.15			Mc. C.
80			450	325		225				Mc.
81			200	125		150				Mc.
82	Private.....		300	325		225	.125 - .08	.045		M. Mc. C.
83	Do.....		325	325		310				Mc. C.
84			450	375		325				Mc.
85			450	330		225	.08 - .03	.05 - .03		Mc. C.
86			250	240		200	.15 - .07	.07 - .025		Mc. C.
87			250	200		125				Mc.
88			300	300		236			Durant Ice & Light Co.	Mc. C.
89	Private.....		125	100	180	110	.125 - .09	.125 - .05		Mc. C.
90	Private.....		300	300		200	.12 - .08	.055 - .04		Mc. C.
91			80	75		50				Mc. C.
92			125	150		100				Mc.
93			140	75		50				Mc.
94	Private.....		125	100		50	.15			Mc. C.
95									City of Cherokee.	Mc.
96			200	300		200				Mc.
97			160	100		75				Mc.
98			200	85		50				Mc.
99	Private.....				50	35	.125			C.
100	Private.....		290	368		225	.15 - .08			Mc. C.
101	Do.....				165	100	.12 - .10	.04		Mc. C.
102			300	230		150				Mc.
103	Private.....		80	130		75	.10 - .05			Mc. C.
104			150	125		40				Mc. C.
105			200	215		135				Mc.
106	Private.....		575	427		300				Mc. C.
107	Do.....		420	150		185	.10 - .08	.10 - .03		Mc. C.
108	Do.....		300	235		140				Mc. C.
109	Do.....		350	290		175	.09 - .045	.04 - .02		Mc. C.
110	Private.....		125	100	75	110				Mc. C.
111			160	125		75				Mc.
112	Private.....		400	400		300	.15 - .09	.10 - .045		Mc. C.
113	Do.....		(200)	200	125	40	.10			Mc. C.
114			125	110		60				Mc.
115	Private.....		180	325		225	.15 - .08	.05 - .025		Mc. C.
116			200	205		110	.15			Mc. C.
117			200	198		75	.15			Mc. C.
118			400	350		150				Mc.
119			150	125		300				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
OKLAHOMA—Continued.

B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
120		GD	Stillwater	Stillwater	Stillwater	
121		GD	Stillwell	Stillwell	Stillwell	
122		GD	Stroud	Stroud	Stroud	
123		GD	Talihina	Talihina	Talihina	
124		GD	Thomas	Thomas	Thomas	
125		GD	Tonkawa	Tonkawa	Tonkawa	
126		GD	Wagoner	Wagoner	Wagoner	
127		D	Walter	Walter	Walter	
128		GD	Wapanucka	Wapanucka	Wapanucka	
129		GD	Watonga	Watonga	Watonga	
130		GD	Waukomis	Waukomis	Waukomis	
131		GD	Waynoka	Waynoka	Waynoka	
132		GD	Weatherford	Weatherford	Weatherford	
133		GD	Wetumka	Wetumka	Wetumka	
134		GD	Woodward	Woodward	Woodward	
135		GD	Wynnewood	Wynnewood	Wynnewood	

C.—ALL OTHER PLANTS.

136	Capital Traction Co.	G	Electric railway	Oklahoma City	Oklahoma City	
137	Chickasha Street Ry. Co.	G	do	Chickasha	Chickasha	
138	Oklahoma Ry. Co.	G	do	Belle Isle	Belle Isle	
139	Sapulpa & Interurban Ry. Co.	G	do	Sapulpa	Sapulpa	

OREGON.

A.—PUBLIC UTILITY PLANTS.

1	American Power & Light Co.	H				
	Pacific Power & Light Co.	GTD	Northern Oregon and South Washington.	Astoria	Astoria	
2	Do.	GTD	do	Hood River	T. 2 N., R. 10 E.	
3	Do.	GTD	Hood River	Powerdale	S. 36, T. 3 N., R. 10 E.	
4	Do.	GTD	do	Tygh Valley	S. 7, T. 4 S., R. 14 E.	White River
5	Do.	GTD	do	Walla Walla	S. 24, T. 5 N., R. 36 E.	South Fork Walla Walla River.
6	Amity Light & Power Co.	D	Amity	Amity		
7	Bandon Power Co.	GD	Bandon	Bandon	Bandon	
8	Bend Water, Light & Power Co.	GD	Bend	Bend	Bend	Deschutes River
	Byllesby, H. M., & Co.	H				
	Oregon Power Co.	GTD				
9	(Lessor, Northern Idaho & Montana Power Co.)	L	Albany to Eugene	Albany	Albany	Santiam River
10	Do.	L	Coquille and Myrtle Point	Coquille	Coquille	
11	Do.	L	Monmouth and Independence.	Dallas	Dallas	
12	Do.	L	Marshfield and North Bend	Marshfield	Marshfield	
13	Do.	L	Linn and Lane Counties	Springfield		
14	California-Oregon Power Co.	GD	South Oregon and northern California.	East Klamath Falls	S. 30, T. 38 S., R. 9 E.	Link River
15	Do.	GD	do	Gold Ray	S. 18, T. 36 S., R. 2 W.	Rogue River
16	Do.	GD	do	Prospect	S. 6, T. 33 S., R. 3 E.	do
17	Do.	GD	do	West Klamath Falls	S. 30, T. 38 S., R. 9 E.	Link River
18	Clatskanie Light & Power Co.	GD	Clatskanie	Clatskanie	Clatskanie	Fall Creek
19	Coast Power Co.	GD	Tillamook	Tillamook	Tillamook	
20	Columbia River Light & Power Co.	GD	Cascade Locks	Cascade Locks		
21	Condon Electric Co.	GD	Condon	Condon		
22	Consolidated Electric Light Co.	GD	John Day and Canyon City	John Day		
23	Cornucopia Mines Co.	GD	Cornucopia	Cornucopia	Cornucopia	Pine Creek
24	Cottage Grove Electric Co.	GD	Cottage Grove	Cottage Grove	Cottage Grove	
25	Creswell Electric Light & Power Co.	GD	Creswell	Creswell	S. 26, T. 19 S., R. 3 W.	Coast Fork Willamette River.
26	Deschutes Power Co.	GD	Prineville and vicinity	Cline Falls	Cline Falls	Deschutes River
27	Do.	GD	do	Crooked River	Cove	Crooked River
28	Douglas County Light & Water Co.	GD	Douglas County	Winchester	Winchester	
29	Eagle River Electric Power Co.	GD		Baker	Baker	
30	Do.	GD	Sanger	Sanger	T. 7 S., R. 44 E.	Eagle River
31	Eastern Oregon Light & Power Co.	GTD	Bourne, Baker, Hains, North Powder, Union, Cove, Le Grande, Alicel, Island City, Imbler, and Elgin.	Cove	T. 3 S., R. 40 E.	Mill Creek
32	Do.			Fremont	S. 9, T. 9 S., R. 35 E.	Lake and Lost Creeks.
33	Do.			Morgan Lake	T. 3 S., R. 38 E.	Sheep Creek
34	Do.			Rock Creek	S. 33, T. 7 S., R. 38 E.	Rock Creek
35	Electric Light & Power Co.	GD	Burns	Burns	Burns	Silvies River
36	Elgin Light & Power Co.	D	Elgin	Elgin		
37	Enterprise Electric Co.	GD	Evans, Enterprise, Lostine, and Wallowa.	Enterprise	S. 14, T. 1 S., R. 42 E.	Wallowa River
38	Do.	GD	do	Wallowa		do
39	Falls City Electric Light & Power Co.	GD	Falls City	Falls City		
40	Florence Electric Co.	GD	Florence and Glendale	Florence	Florence	
41	Fossil Flouring Mills & Electric Light Plant	GD		Fossil		
42	Hammond Lumber Co.	GD	Warrenton, Astoria, and Flavel.	Astoria	S. 3, T. 8 N., R. 9 W.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## OKLAHOMA—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
120	Private.....		350	235		150	\$0.10 - \$0.075	\$0.05-\$0.035		Me. C.
121	Do.....		150	80		50				Me. C.
122	Do.....		120	65	10	50				Me.
123			50	50	50	35	.15 - .15			C.
124	Private.....		365	260		200	.15 - .10			C.
125	Do.....		330	200		125	.10 - .10	.05		Me. C.
126	Do.....		375	375		250	.12 - .06	.03		Me. C.
127										Me.
128			140	100		50				Me. C.
129	Private.....		160	205		175	.15 - .11	.10- .06		Me. C.
130			75	75		75				Me.
131	Private.....				120	48	.125			Me. C.
132			400	300		150	.10	.07- .05		Me. C.
133			160	100		143				Me.
134	Private.....		150	375		250	.10	.06		C.
135			200	200		145	.15 - .05			Me. C.
Total, B.....		358	13,545	11,573	855	8,687				

## C.—ALL OTHER PLANTS.

136					30	150			Oklahoma Ry. Co.	M. Me. C.
137						265			Chickasha Gas & Electric Co.	Me. C.
138	Private.....		2,400	5,980		4,250				C.
139	Do.....				300	200				C.
Total, C.....			2,400	5,980	330	4,865				
Grand total.....		1,758	51,403	62,066	6,685	51,448				

## OREGON.

## A.—PUBLIC UTILITY PLANTS.

1	Private.....		1,350	1,650		1,375			Hammond Lumber Co.	C.M.Me.O.
2		840				500				O.
3	Private.....	500				250			Hydro Electric Co.	C. Me. O.
4	Do.....	3,750				2,250			Hood River Gas & Electric Co.	C. Me. O.
5	Do.....	4,000				2,750				C.
6										
7	Private.....		300	450		275	\$0.15	\$0.15-\$0.03	Sheridan Light & Power Co.	Me. O.
8		716				400	\$0.12 - .055	.08- .07		Me. O.
9										C. Me. O.
10	Private.....	520	480	750		560	.11	.07- .022		C.M.Me.O.
11	Do.....		150	150		150	.12 - .05	.08- .035		C.M.Me.O.
12	Do.....		1,050	777		625	.11 - .05	.07- .022		Me.
13	Private.....		200	750		600		.07- .022		Me. O.
14	Do.....	300	4,000	4,000		3,300				Me.
15							.10 - .01			C. Me. O.
16		2,750				1,950				C. O.
17	Private.....	7,000				3,750				C. O.
18	Do.....	1,050				600	.10 - .01			C. O.
19		100	100	100		135	.10 - .09			C. Me. O.
20	Do.....		400	670		635	.15 - .07	.07- .02		C. Me.
21	Private.....	133				75				M. O.
22					75	60	1.25			Me.
23	Private.....	1,100			60	400	.08			Me.
24	Do.....		350	300		180	.12 - .06	.05- .02		C. Me. O.
25	Do.....	114				25	.10 - .06			C. Me. O.
26										O.
27		375				200	.12 - .03			M. Me. O.
28	Private.....	750	500	500		400	.08	.05- .02		C. Me. O.
29		1,100	650	667		500				Me.
30		1,600				800				M. Me. O.
31	Forest.....	600				300	.12 - .05	.10- .01		C. Me. O.
32	Do.....	1,500				1,100	.12 - .05	.10- .01		C. O.
33	Private.....	600				380	.12 - .05	.10- .01		C. O.
34	Forest.....	1,000				800	.12 - .05	.10- .01		C. O.
35	Private.....	80			80	60	.20	.10		C. Me. O.
36										Me. O.
37	Private.....	150				200	.12 - .02	.10- .01		C. Me. O.
38	Do.....	150				150	.12 - .02	.10- .81		C. Me. O.
39		115				100				Me. O.
40	Private.....		100	150		100	.15 - .07			C. Me.
41						30				O.
42	Private.....		1,900	4,250		2,600	.0081			C. Me.

<sup>1</sup> Lamp month.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## OREGON—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
43	Heppner Light & Water Co.....	GD.....	Heppner.....	Heppner.....		
44	Hermiston Light & Power Co.....	GD.....	Umatilla County.....	Hermiston.....	S. 16, T. 4 N., R. 28 E..	Umatilla River.....
45	Hydro Electric Co.....	GD.....	Hood River.....	Hood River.....	S. 15, T. 2 N., R. 10 E..	Hood River.....
46	Joseph Light & Power Co.....	GD.....	Joseph.....	Joseph.....	S. 31, T. 2 S., R. 45 E..	Wallowa River.....
47	Lebanon Electric Light & Water Co.....	GD.....	Lebanon.....	Lebanon.....	Lebanon.....	South Santiam.....
48	Mollala Electric Co.....	GD.....	Canby and vicinity.....	Canby.....		Mollala River.....
49	National Securities Corporation..... Idaho-Oregon Light & Power Co.....	H..... GTD.....	Eastern Oregon and western Idaho.....	Oxbow.....	S. 9, T. 7 S., R. 48 E..	Snake River.....
50	Northwestern Electric Co.....	GD.....	Portland.....	Pittock.....	Portland.....	
51	Northwest Light & Water Co.....	GD.....	Sumpter.....	Sumpter.....	S. 29, T. 9 S., R. 37 E..	Powder River.....
52	Oregon Iron & Steel Co., The..... Oswego Lake Water, Light & Power Co.....	GD..... GD.....	Oswego and Courtney.....	Oswego.....	T. 2 S., R. 1 E.....	Tualitin.....
53	<sup>1</sup> Clark, E. W., & Co., Management Corporation..... Portland Railway, Light & Power Co.....	GTD.....	{Portland, Polk, Newberg, Clackamas, Yamhill, Marion, Washington, and Multnomah Counties.	Boring "K".....	Boring.....	
54	Do.....			Bull Run "O".....	S. 6, T. 2 S., R. 5 E..	Big and Little Sandy Rivers.....
55	Do.....			Cazadero "G".....	S. 33, T. 3 S., R. 4 E..	Clackamas River.....
56	Do.....			Estacado "M".....	S. 20, T. 3 S., R. 4 E..	do.....
57	Do.....			Newberg.....	Newberg.....	
58	Do.....			Oregon City "B".....	S. 31, T. 2 S., R. 2 E..	Willamette River.....
59	Do.....			Portland "E".....	Portland.....	
60	Do.....			Portland "L".....	do.....	
61	Do.....			St. Johns "N".....	do.....	
62	Do.....			Salem "H".....	Salem.....	
63	Do.....			Silverton "J".....	S. 1, T. 7 S., R. 1 W..	Silver Creek.....
64	Prairie Power Co.....	GD.....	Prairie City.....	Prairie City.....	S. 11, T. 13 S., R. 33 E..	John Day River.....
65	Rogue River Public Service Corporation.....	GD.....	Gold Hill.....	Gold Hill.....	Gold Hill.....	Rogue River.....
66	St. Helens Lumber Co.....	GD.....	St. Helens.....	St. Helens.....		
67	Seaside Light & Power Co.....	GD.....	Seaside and Gearhart.....	Seaside.....	Seaside.....	
68	Scott, Charles.....	GD.....	Scotts Mills.....	Scotts Mills.....	S. 1, T. 6 S., R. 1 E..	Butte Creek.....
69	Sheridan Light & Power Co.....	GD.....	Yamhill and Polk Counties.....	Sheridan.....	S. 34, T. 5 S., R. 6 W..	Mill Creek.....
70	Stayton Electric Light Co.....	GD.....	Stayton.....	Stayton.....		
71	Steidl & Tweet.....	GD.....			T. 17 S., R. 12 E.....	Deschutes River.....
72	Sutherlin Light & Power Co.....	D.....	Sutherlin.....			
73	Tillamook Public Service Co..... (Lessor, Bay City Land Co.).....	GD..... L.....	Bay City and Port Russell..	Bay City.....		
74	Trellinger, C. S.....	GD.....	North Yamhill.....	North Yamhill.....		
75	Tualitin Valley Electric Co.....	D.....	Sherwood, Tualitin, and Tigard.....			
76	Turner Electric Light & Power Co.....	GD.....	Turner.....	Turner.....	Turner.....	
77	Vale Light & Water Co.....	D.....	Vale.....			
78	Willamina Electric Co.....	GD.....	Willamina.....	Willamina.....	S. 31, T. 5 S., R. 6 W..	Willamina River.....
79	Withers, C. L.....	GD.....	Paisley.....	Spring Grove.....	S. 16, T. 33 S., R. 17 E..	Spring Grove Creek.....
80	Yaquina Electric Co.....	GD.....	Newport and Toledo.....	Toledo.....		

## B.—MUNICIPAL PLANTS.

81		GD.....	Ashland.....	Ashland.....	Ashland.....	Ashland Creek.....
82		GD.....	Baker.....	Baker.....	S. 19, T. 9 S., R. 40 E..	Marble & Elk Creeks..
83		GD.....	Eugene.....	Eugene.....	S. 29, T. 17 S., R. 1 W..	McKenzie River.....
84		GD.....	Forest Grove.....	Forest Grove.....	Forest Grove.....	
85		GD.....	Grass Valley.....	Grass Valley.....		
86		D.....	Ione.....	Ione.....		
87		GD.....	Jefferson.....	Jefferson.....	T. 10 S., R. 3 W.....	Santiam River.....
88		GD.....	McMinnville.....	McMinnville.....		
89		GD.....	Milton and Freewater.....	Milton.....	Milton.....	Walla Walla River.....
90		GD.....	Myrtle Creek.....	Myrtle Creek.....		
91		GD.....	Oregon City.....	Oregon City.....		
92		GD.....	Scio.....	Scio.....		

## C.—ALL OTHER PLANTS.

93	Baker Mines Co.....		Mining.....	Cornucopia.....	S. 27, T. 6 S., R. 45 E..	Pine Creek.....
94	Crown Willamette Paper Co.....	G.....	Paper mills.....	Oregon City.....	S. 31, T. 2 S., R. 2 E..	Willamette River.....
95	Do.....		do.....	Warrendale.....	S. 31, T. 2 N., R. 7 E..	Pierce Creek.....
96	Douglas County Light & Power Co.....	G.....	Ice machines.....	Roseburg.....	Roseburg.....	
97	Dick, James D.....		Farming.....	Minerva.....	S. 27, T. 17 S., R. 11 W..	North Fork Siuslaw.....
98	Hawley Paper Co.....		Paper mills.....	Oregon City.....		
99	Oregon City Woolen Mills.....		Woolen mills.....	do.....		
00	Oregon Iron & Steel Co.....			do.....		
01	West Coast Mines Co.....	G.....		Champion.....		

<sup>1</sup>E. W. Clark & Co. Management Corporation is not placed in alphabetical order.



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## OREGON—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
43			330	220		150				Me.
44		240				200	\$0.15	\$0.10		C. Me.
45	Private	750				300			Hood River Gas & Electric Co.	C. Me. O.
46	Do	400				225				C. O.
47	Do	115	180	150		100	\$0.10 - .06	\$0.07 - .02		Me. O.
48		300				200				Me. O.
49	Private	5,000				3,600				C. O.
50	Do		3,000	7,750		6,500				Me.
51	Forest	220	200	200		150	.15 - .10			C. Me. O.
52		750				500	.07 - .04	.07 - .03		C.
53	Private		400	500		400	.09 - .04	.07 - .007		C. Me. O.
54	Forest	19,200				11,250	.09 - .04	.07 - .007		C. Me. O.
55	Private	26,800				14,250	.09 - .04	.07 - .007		C. Me. O.
56	Do	18,900				11,000	.09 - .04	.07 - .007		C. O.
57	Do		600	425		275	.15 - .04	.07 - .01		C. Me.
58	Do	14,400				7,230	.09 - .04	.07 - .007		C. O.
59	Do		6,800	19,500		12,500	.09 - .04	.07 - .007		C. Me. O.
60	Do		3,280	10,500		6,000	.09 - .04	.07 - .007		C. O.
61	Do		1,536	3,350		2,500	.09 - .04	.07 - .007		C. Me. O.
62	Do		800	1,600		1,000	.09 - .04	.07 - .01		C. O.
63	Do	700				250	.09 - .04	.07 - .01		C. O.
64	Private	150				100	.20 - .15	.06 - .03		C. Me. O.
65		(300)				180				O.
66	Private		1,000	325		200	.10			C. Me.
67	Do		600	575		390	.18 - .04	.075 - .005		C. Me. O.
68	Do	(210)				125	.50			C.
69	Do	85	200	300		225	.15 - .07	.07 - .02		C. Me. O.
70		60				60				Me. O.
71		408				275				O. C.
72									Douglas County Light & Water Co.	C.
73			100	90	35	50				Me.
74		75				60				Me. O.
75									Yamhill Electric Co.	Me. O.
76		276				60				P.
77									Electric Investment Co.	C. Me.
78	Private	100				75	.15 - .03	.07 - .02		C.
79	Do	30				25				C.
80	Do		500	300		300	.14 - .08	.06 - .02		C. Me.
Total, A		120,362	31,056	60,949	250	110,835				

## B.—MUNICIPAL PLANTS.

81	Forest	600				300				C. Me. O.
82	Private	140				100				O.
83	Do	2,400				1,410	\$0.08	\$0.045		C. Me. O.
84	Do		150	150		100	\$0.125 - .10	\$0.07 - .02		C. Me. O.
85					32	25				Me.
86									Inland Portland Cement Co.	Me. O.
87	Private	50	80	60		70	.15 - .06			C. Me. O.
88		350				200				Me. O.
89	Private	600				300	.10 - .05	.0225 - .0125		C. Me. O.
90		(66)				40				O.
91		350				(210)				O.
92		90				60				Me. O.
Total, B		4,646	230	210	32	2,815				

## C.—ALL OTHER PLANTS.

93	Forest	300								O.
94		24,774	5,653	3,500		1,850			Portland Railway, Light & Power Co.	O.
95	Forest	1,350				10				C. O.
96		100				75				O.
97	Forest	1				1				O.
98		3,480								O.
99		250								O.
100		700								O.
101		800				370				Me. O.
Total, C		31,755	5,653	3,500		2,306				
Grand total		156,763	36,939	64,659	282	115,956				



TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## PENNSYLVANIA.

## A.—PUBLIC UTILITY PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	American Gas Co. (The) .....	H.....	Luzerne County.....	Plymouth.....	Plymouth.....	Schuylkill Canal.....
2	Luzerne County Gas & Electric Co. ....	GD.....	Montgomery, Chester, and Greene Counties.	Phoenixville.....	Phoenixville.....	
3	Philadelphia Sub. Gas & Electric Co. ....	GD.....	Pottstown.....	Pottstown.....	Pottstown.....	
4	Do.....	GD.....	West Chester and Malvern.....	West Chester.....	West Chester.....	
5	Do.....	GD.....	Wyncote and vicinity.....	Wyncote.....	Wyncote.....	
6	American Gas & Electric Co. ....	H.....	Scranton, Carbondale, and vicinity.	Scranton.....	Scranton.....	
7	Scranton Electric Co. ....	GD.....				
8	American Railways Co. ....	H.....	Tyrone and vicinity.....	Tyrone.....	Tyrone.....	
9	Home Electric Light & Steam Heating Co. ....	GD.....				
10	American Water Works & Electric Co. ....	H.....	New Kensington and vicinity.	New Kensington.....	New Kensington.....	
11	Allegheny Valley Light Co. ....	D.....				
12	Allegheny Valley Street Ry. Co. ....	GD.....	Butler.....	Creighton.....	Creighton.....	
13	Butler Light, Heat & Motor Co. ....	D.....	Sewickley and vicinity.....			
14	Inter Borough Electric Co. ....	D.....	Kittanning and vicinity.....			
15	Kittanning Electric Light Co. ....	D.....	Westmoreland and vicinity.....			
16	Westmoreland Electric Co. ....	D.....	Connellsville and vicinity.....	Connellsville.....	Connellsville.....	
17	West Pennsylvania Electric Co. ....	GD.....	Ligonier and vicinity.....	Ligonier.....	Ligonier.....	
18	West Pennsylvania Light & Power Co. ....	GD.....	Washington, Canonsburg, Waynesburg and vicinity.....	Washington.....	Washington.....	
19	West Pennsylvania Lighting Co. ....	GD.....		Waynesburg.....	Waynesburg.....	
20	Do.....	GD.....		Connellsville.....	Connellsville.....	
21	West Pennsylvania Rys. Co. ....	GD.....				
22	Barstow, W. S., & Co. (Inc.) .....	M.....	West Lebanon and vicinity.....	Lebanon.....	Lebanon.....	
23	Lebanon Valley Electric Light Co. ....	D.....		Bangor.....	Bangor.....	
24	Pennsylvania Utilities Co. ....	D.....	Northampton and Monroe Counties, Pa., and Phillipsburg, N. J.	Dock Street.....	Dock Street.....	
25	Do.....	D.....		South Side.....	South Side.....	
26	Do.....	D.....		Easton.....	Easton.....	Lehigh River.....
27	Do.....	D.....		Stroudsburg.....	Stroudsburg.....	Broadheads River.....
28	Do.....	D.....				
29	Reading Transit & Light Co. ....	GD.....				
30	Lessor, Chester Traction Co. ....	L.....		Chester.....	Chester.....	
31	Edison Electric Illuminating Co., of Lebanon.....	L.....	Lebanon, Avon, and vicinity.	Lebanon.....	Lebanon.....	
32	Lessor, Metropolitan Electric Co. ....	L.....	Reading and Mohnton.....	Reading.....	Reading.....	
33	Lessor, Schuylkill Valley Traction Co. ....	L.....		Collegeville.....	Collegeville.....	
34	Beaver Springs Electric Light Co. ....	GD.....	Beaver Springs.....	Beaver Springs.....	Beaver Springs.....	
35	Benton Electric Co. ....	GD.....	Benton.....	Benton.....	Benton.....	Fishing Creek.....
36	Big Springs Electric Co. ....	GD.....	Newville.....	Newville.....	Newville.....	Conodoquinch Creek.....
37	Birdsboro Electric Co. ....	GD.....	Birdsboro.....	Birdsboro.....	Birdsboro.....	
38	Blue Mountain Electric Co. ....	GD.....	Bethel, Strausstown, Rehersburg, and Shubert.	Bethel.....	Bethel.....	Shubert Creek.....
39	Boiling Springs Electric Light Co. ....	GD.....	Boiling Springs.....	Boiling Springs.....	Boiling Springs.....	
40	Brownstown Electric Light, Heat & Power Co. ....	GD.....	Brownstown and Talmage.....	Brownstown.....	Brownstown.....	Conestoga River.....
41	Carbon Transit Co. ....	GD.....		Lehighton.....	Lehighton.....	
42	Do.....	GD.....		East Mauch Chunk.....	East Mauch Chunk.....	
43	Do.....	GD.....		Mauch Chunk.....	Mauch Chunk.....	
44	Clymer Electric Co. ....	GT.....	Philadelphia & Easton Ry. Co.	Raubsville.....	Raubsville.....	Lehigh River.....
45	Colemanville Water & Power Co. ....	GD.....	Lancaster County.....	Colemanville.....	Colemanville.....	Pequea Creek.....
46	Conococheague Electric Light, Heat & Power Co. ....	GD.....	Franklin County.....	Markes.....	Markes.....	
47	Cooks Mills Electric Light & Power Co. ....	GD.....	Cooks Mills and Ellerslie, Md	Ellerslie.....	Ellerslie.....	Wils Creek.....
48	Cumberland Ry. ....	GD.....	Mount Holly Springs.....	Mount Holly Springs.....	Mount Holly Springs.....	Mountain Creek.....
49	Delaware Water Gap Light Plant.....	GD.....	Delaware Water Gap.....	Delaware Water Gap.....	Delaware Water Gap.....	Cherry Creek.....
50	Delta Electric Power Co. ....	GD.....	Peach Bottom and Cardiff, Md.	Peach Bottom.....	Peach Bottom.....	Muddy Creek.....
51	Delta Water Power Co. ....	GTD.....	Delta.....	Delta.....	Delta.....	
52	Dillsburg Light, Heat & Power Co. ....	GD.....	Dillsburg.....	Dillsburg.....	Dillsburg.....	Yellow Breeches Creek.....
53	Eagles Mere Light Co. ....	GD.....	Sullivan and Lycoming Counties.	Eagles Mere.....	Eagles Mere.....	Trout River.....
54	Erie County Electric Co. ....	GD.....	Erie.....	Erie.....	Erie.....	
55	Glatfelter, P. H. Co. ....	GD.....		Spring Grove.....	Spring Grove.....	Codones.....
56	Hummelstown Consolidated Water Co. ....	GD.....	Hummelstown and Swatara.....	Hummelstown.....	Hummelstown.....	
57	Interstate Electric Corporation.....	H.....				
58	Corry City Electric Light Co. ....	GD.....	Corry.....	Corry.....	Corry.....	
59	Union City Electric Light Co. ....	GD.....	Union City.....	Union City.....	Union City.....	
60	Interstate Public Service Corporation.....	H.....				
61	Johnsonburg Light & Power Co. ....	GD.....	Johnsonburg.....	Johnsonburg.....	Johnsonburg.....	
62	Kane Electric Light & Power Co. ....	GD.....	Kane.....	Kane.....	Kane.....	
63	Ridgway Electric Light Co. ....	GD.....	Ridgway.....	Ridgway.....	Ridgway.....	
64	Lancaster Electric Light, Heat & Power Co. ....	GT.....	Rock Hill.....	Rock Hill.....	Rock Hill.....	Conestoga River.....
65	Do.....	GT.....	Lancaster County.....	Slackwater.....	Slackwater.....	do.....
66	Do.....	GT.....	Edison Electric Illuminating Co.	Wabank.....	Wabank.....	do.....
67	Lehigh Coal & Navigation Co. ....	HGTD.....		Mauch Chunk.....	Mauch Chunk.....	Lehigh River.....
68	Harwood Electric Co. ....	GTD.....	Hazleton and vicinity.....	Harwood Mines.....	Harwood Mines.....	
69	Lehigh Navigation Electric Co. ....	GT.....	Mauch Chunk and Lansford.....	Hauto.....	Hauto.....	
70	Schuylkill Gas & Electric Co. ....	GD.....	Shenandoah.....	Shenandoah.....	Shenandoah.....	
71	Lehigh Valley Transit Co. ....	H.....				
72	Bethlehem Electric Light Co. ....	D.....	Bethlehem and vicinity.....			
73	Halcyon Electric Light and Power Co. ....	D.....	South Bethlehem.....			
74	Lehigh Valley Light and Power Co. ....	GTD.....	Allentown, Bethlehem, and vicinity.	Allentown.....	Allentown.....	
75	Long Electric Co. ....	GD.....	Howard.....	Howard.....	Howard.....	
76	Middleburg Light, Heat & Power Co. ....	GD.....	Venango and Snyder Counties.	Middleburg.....	Middleburg.....	Middle Creek.....
77	Millersburg Electric, Light, Heat & Power Co. ....	GD.....	Millersburg.....	Millersburg.....	Millersburg.....	Wiconisco Creek.....
78	Municipal Service Co. ....	H.....				
79	Chester Valley Electric Co. ....	GD.....	Coatesville and vicinity.....	Coatesville.....	Coatesville.....	
80	Do.....	GD.....	Downingtown and vicinity.....	Downingtown.....	Downingtown.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## PENNSYLVANIA.

## A.—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
1										
2	Private.....	500	2,050 2,250	5,480 2,000		3,000 2,315				Mc. Mc.M. C.
3			1,000	1,200		780				Mc.
4			1,000	1,100		700				Mc.
5			750	1,020		820				Mc.
6			11,200	35,800		26,400				Mc.
7			1,682	1,330		1,000				Mc.
8										Mc.
9			2,000	(2,170)		1,310				Mc.
10									West Pennsylvania Rys. Co.	Mc.
11									do.	Mc.
12									do.	Mc.
13									do.	Mc.
14			7,480	14,000		9,250				Mc.
15			200	215		135				Mc.
16			1,940	2,020		1,775				Mc.
17			500	350	240	450				Mc.
18			19,200	30,550		22,500				Mc.
19										Mc.
20			750	700		560				Mc. C.
21			2,688	15,800		16,000				Mc. C.
22			1,320	4,200		3,125				Mc. C.
23		1,500				1,000			Clymer Power Co.	C.
24		900				650			Eastern Pennsylvania Power Co.	C.
25			2,500	2,500		1,800				Mc.
26			1,500	2,100		1,350				Mc.
27			10,000	18,000		13,500				Mc.
28			2,800	3,500		2,000				Mc.
29	Private.....	14				11½				Mc. C.
30	Do.....	120			40	120	.10	\$0.04 - \$0.03		Mc. C.
31	Do.....	100	80	70		235	\$0.12 - \$0.06	.04 - .0275		Mc. C.
32		100	100	80		60				Mc.
33	Private.....	70			35	30	.15 - .06	.06 - .05		Mc. C.
34		100				50				Mc.
35		75				35	.10 - .06			Mc. C.
36			500	600		375				Mc.
37		500				(300)				Mc. M.
38			250	250		150				Mc.
39		1,150				750				Mc.
40	Private.....	450	660	1,350		1,125	.135- .10	.054- .02		Mc. M. C.
41		60	150	125		125				Mc.
42	Private.....	90	40	35		200	.08			C.
43	Do.....	120	475	700		650				Mc. M. C.
44	Do.....	35	350	125		330	.10			C.
45	Do.....	600				350	.08	.05 - .02		Mc. C.
46		300				165				Mc.
47	Private.....	162	150	125		75	.12 - .075	.06 - .04		Mc. C.
48	Do.....	462				180	.12- .065	.05 - .02		Mc. C.
49			4,650	11,770		8,520				Mc.
50	Private....	150	3,854	2,719		670	.10			C.
51		400	600	500		410				Mc. M.
52			500	500		325				Mc.
53			210	200		170				Mc.
54					200	150				Mc.
55					675	475				Mc.
56					610	400				Mc.
57	Private.....	350				350	.0125			Mc. C.
58		1,500				750	.0125			Mc. C.
59		350				200	.0125			Mc. C.
60		5,367				(3,209)				O.
61			9,750	20,000		15,000				Mc.
62			8,352	50,000		37,500				Mc.
63			320	500		500				Mc.
64										Mc.
65										Mc.
66			5,500	18,330		13,750				Mc.
67		65	50			17				Mc. C.
68	Private.....	78	125	125		100	.125	.075- .02		Mc. C.
69	Do.....	160	250	300		240	.10			Mc. C.
70			1,500	2,500		1,350				Mc.
71			1,400	2,070		1,550				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## PENNSYLVANIA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
72	National Properties Co. Chester County Light & Power Co.	H. D.	Kennett Square and vicinity			
73	Orangeville Electric Light & Power Plant	GD.	Orangeville	Orangeville	Orangeville	Fishing Creek
74	Paupack Electric Co.	GD.	Hawley	Hawley	Hawley	Wallenpaupack River
75	Penn Central Light & Power Co.	HGTD.	Hollidaysburg, Juniata, Wil-	Lewistown	Lewistown	
76	Do.		more, Petersburg, Lewis-	Eighteenth Street	Altoona	
77	Do.		town, and Durham.	Twentieth Street	do.	
78	Good, G. S., Electric Co.	GD.	Patton	Patton	Patton	
79	Pennsylvania Central Power & Transportation Co.	GT.		Williamsburg	Williamsburg	
80	Pennsylvania Hydroelectric Co.	GT.	Pennsylvania Central Light & Power Co.	Warrior Ridge	Warrior Ridge	Juniata River
81	Penn Public Service Co.	GTD.	Blairsville and vicinity	Blairsville	Blairsville	
82	Do.	GTD.	Clearfield and vicinity	Clearfield	Clearfield	
83	Do.	GTD.	Indiana	Indiana	Indiana	
84	Do.	GTD.	Phillipsburg and vicinity	Phillipsburg	Phillipsburg	
85	Pennsylvania Water Power Co.	HGT.	Lancaster and Baltimore, Md.	Holtwood	Holtwood	Susquehanna River
86	Susquehanna Transportation Co.	D.	Baltimore			
87	Peoples Ice, Light & Storage Co.	GT.	Duquesne Light Co.	McKeesport	McKeesport	
88	Philadelphia Co. (The)	H.				
89	Duquesne Light Co.	GTD.				
90	Do.					
91	Do.		Pittsburgh and vicinity		Pittsburgh	
92	Do.					
93	Do.					
94	Do.					
95	Do.					
96	Pennsylvania Light & Power Co.	GD.	do	Allegheny	Allegheny	
97	Pittsburgh City Light & Power Co.	D.	do	Pittsburgh	Pittsburgh	
98	Philadelphia Electric Co.	H.				
99	Beacon Light Co.	GD.	Chester and vicinity	Chester	Chester	
100	Delaware County Electric Co.	D.	Lansdowne and vicinity	Lansdowne		
101	Philadelphia Hydroelectric Co.	GT.	Philadelphia Rapid Transit Co.	Manayunk	Manayunk	Schuylkill River
102	Raystown Water Power Co.	GD.	Huntingdon, Allegheny, and Fayette Counties.	Huntingdon		Raystown Branch
103	Redbank Electric Co.	GD.	New Bethlehem	New Bethlehem		
104	Republic Railway & Light Co.	H.				
105	New Castle Electric Co.	D.	New Castle	New Castle		
106	Pennsylvania Power Co.	GD.	Lawrence County	Ellwood City	Ellwood City	
107	Shenango Valley Electric Light Co.	D.	Sharon and vicinity	Sharon		
108	Zelienople Light & Power Co.	D.	Zelienople	Zelienople		
109	Ringtown Electric Light, Heat & Power Co.	D.	Ringtown	Ringtown		
110	Shermans Valley Light, Heat & Power Co.	GD.	Loysville	Loysville	Loysville	Shermans Creek
111	Shippensburg Gas & Electric Co.	GD.	Shippensburg	Shippensburg		Conodoquinet Creek
112	State Center Electric Co.	GD.	Center, Chester, and Schuylkill Counties.	Milesburg		
113	Do.	GD.	do	State College		
114	Strasburg Electric Light, Heat & Power Co.	GD.	Strasburg	Strasburg	Strasburg	
115	Susquehanna County Light & Power Co.	GD.	Susquehanna County	Susquehanna	Oakland Borough	Susquehanna River
116	Tri-State Railway & Electric Co. (The)	H.				
117	Beaver County Light Co.	GD.	Beaver and Bucks Counties.	Fallston		
118	Tunkhannock Electric Co.	GD.	Tunkhannock	Tunkhannock		Tunkhannock Creek
119	United Gas & Electric Corporation of Connecticut	H.				
120	Edison Electric Co.	GTD.	Lancaster and vicinity	Lancaster	Lancaster	
121	Harrisburg Light & Power Co.	GD.	Harrisburg and vicinity	Harrisburg	Harrisburg	
122	Wilkes-Barre Co.	GD.	Wilkes-Barre and vicinity	Wilkes-Barre	Wilkes-Barre	
123	United Gas Improvement Co.	H.				
124	Conshohocken and vicinity	GD.	Conshohocken	Conshohocken	Conshohocken	
125	Do.	GD.	Norristown and vicinity	Norristown	Norristown	
126	Do.	GD.	Wayne and vicinity	Wayne	Wayne	
127	Lessor, Eureka Electric Light, Heat & Power Co.	L.		Llanerch		
128	United Service Co.	H.				
129	Eastern Pennsylvania Gas & Electric Co.	GD.	Bristol, Norrisville, and Yardley.	Bristol	Bristol	
130	Jefferson Electric Co.	GD.	Punxsutawney	Punxsutawney	Punxsutawney	
131	Warren Light & Power Co.	GD.	Warren	Warren	Warren	
132	Walbridge, H. D., & Co.	H.				
133	Citizens Light, Heat & Power Co.	GTD.	Johnstown and vicinity	Johnstown	Johnstown	
134	Northumberland County Gas & Electric Co.	GD.	Northumberland County	Sunbury	Sunbury	
135	White Haven Electric Illuminating Plant	GD.	White Haven	White Haven		
136	White, J. G., & Co. (Inc.)	M.				
137	Eastern Pennsylvania Light, Heat & Power Co.	GD.	Ashland and vicinity	Ashland	Ashland	
138	Do.	GD.	Frackville and vicinity	Frackville	Frackville	
139	Do.	GD.	Pottsville and vicinity	Pottsville	Pottsville	
140	White Oak Light, Heat & Power Co.	GD.	Hollsopple and vicinity	Hollsopple		
141	Wrightsville Light & Power Co.	GD.	York and Lancaster Counties	Wrightsville		
142	Yorkhaven Water & Power Co.	GT.	York and Dauphin Counties	Yorkhaven	Yorkhaven	Susquehanna River
143	York Railways Co.	H.				
144	Edison Light & Power Co.	GD.	York and vicinity	York	York	
145	122 additional fuel power plants					



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## PENNSYLVANIA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
72									Wilmington & Philadelphia Traction Co.	Mc.
73	Private	45				(30)	\$0.10			C.
74	Do.	300	300	300		525	\$0.10- .05			Mc. M. C.
75			600	750		450				Mc.
76			(1,800)	(3,000)		1,800				Mc.
77			1,500	1,250		1,250				Mc.
78			650	550		400				Mc.
79			800	6,000		5,000				Mc.
80	Private	2,000	2,400	4,670		5,500				Mc. M. O. C.
81			600	225		150			Citizens Light, Heat & Power Co.	Mc.
82			720	1,000		600				Mc.
83			600	530		400				Mc.
84			3,050	6,330		4,450				Mc.
85	Private	118,000				83,500				Mc. M. O. C.
86										Mc.
87	Private		1,750	1,200		420	.15- .015			C.
88										
89										
90										
91										
92			65,152	153,600		111,600				Mc.
93										
94										
95										
96			600	6,480		5,650				Mc.
97										Mc.
98			3,000	13,920		10,000				Mc.
99										Mc.
100	Private	2,616				1,600				Mc. M. O. C.
101		3,900				2,625				Mc. M.
102		250			325	400				Mc.
103										Mc.
104		1,000	750	1,000		2,250				Mc. M.
105										Mc.
106									Pennsylvania Power Co.	Mc.
107										Mc. C.
108	Private	30			25	30	.10	\$0.05		Mc. C.
109		1,350	600	1,370		1,455	.12- .06	\$0.04- .0175		Mc. C.
110										
111		250	1,000	1,200		450				Mc. M.
112		200				300			Edison Electric Illuminating Co.	Mc.
113	Private	738	750	1,300		1,400	.15- .04	.15- .0225		C.
114		500	1,650	3,670		2,080				Mc. M.
115		200	150	140		200				Mc.
116			4,160	10,000		7,000				
117			(4,500)	6,550		4,640			Yorkhaven Water & Power Co.	Mc.
118			5,340	6,400		4,600				Mc.
119			300	350		470				Mc.
120			1,788	3,130		2,080				Mc.
121			1,100	2,205		1,650				Mc.
122										Mc.
123			300	350		305			Philadelphia Electric Co.	Mc.
124			600	1,670		1,250				Mc.
125			750	2,800		2,300				Mc.
126			3,000	11,520		10,520				Mc.
127		250	2,700	2,730		2,375				Mc.
128		250				200				Mc.
129			200	450		300				Mc.
130			530	560		300				Mc.
131			4,135	6,780		4,650				Mc.
132		35				(20)				Mc.
133		120	225	150		60				Mc.
134	Private	20,000				15,000	.10- .05	.03- .005		Mc. M. O. C.
135			1,920	4,630		3,825			Yorkhaven Water & Power Co.	Mc.
136			57,556	72,393	7,435	63,981				
258										
Total, A		167,862	290,152	598,162	9,585	571,704				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## PENNSYLVANIA—Continued.

## B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
259		GD.....	Media.....	Media.....	Media.....	Riddley Creek.....
260		GD.....	Mifflinburg.....	Mifflinburg.....		
261		GD.....	Norristown.....	Norristown.....	Norristown.....	Schuylkill River.....
262-299	} 37 additional fuel power plants.....					

## C.—ALL OTHER PLANTS.

300	American Railways Co.....	H.....				
301	Altoona & Logan Valley Electric Ry. Co.....	G.....	Electric railways.....	Altoona.....	Altoona.....	
302	Scranton Ry. Co.....	G.....	do.....	Scranton.....	Scranton.....	
302	Buffalo & Lake Erie Traction Co.....	G.....	do.....	Erie.....	Erie.....	
303	Philadelphia Co. (The).....	H.....				
304	Beaver Valley Traction Co.....	G.....	do.....	Rochester Township..	Rochester Township..	
304	Pittsburgh & Beaver Street Ry. Co.....	G.....	do.....			
305	Philadelphia Rapid Transit Co.....	G.....	do.....	Beach Street.....	Philadelphia.....	
306	Do.....			Market Street.....	do.....	
307	Do.....			Mount Vernon Street..	do.....	
308	Do.....			Upper Darby.....	do.....	
309	Do.....			Wyoming Avenue.....	do.....	
310	Scranton & Wilkes-Barre Traction Corporation.....	H.....				
311	Lackawanna & Wyoming Valley R. R. Co.....	G.....	do.....	Scranton.....	Scranton.....	
312-350	Stroudsburg Passenger Ry. Co.....	GD.....	Electric Railway.....	Stroudsburg.....		
312-350	} 38 additional fuel power plants.....					

## RHODE ISLAND.

## A.—PUBLIC UTILITY PLANTS.

1	Massachusetts Electric Cos.....	H.....				
2	Bay State Street Ry. Co.....	GTD.....	Jamestown and Portsmouth.	Portsmouth.....	Portsmouth.....	
3	(Lessor, Newport & Fall River Street Ry. Co.)	L.....		Newport.....	Newport.....	
4	Narragansett Electric Lighting Co.....	GTD.....	Providence and vicinity.....	Providence.....	Providence.....	
4	Narragansett Pier Electric Light & Power Co.....	D.....	Narragansett Pier and vicinity.			
5	Wickford Light & Water Co.....	D.....	Wickford and vicinity.....			
6	New York, New Haven & Hartford R. R.....	H.....				
6	Rhode Island Co., The.....	GTD.....		Providence.....	Providence.....	
7	Stone & Webster.....	M.....				
8	Blackstone Valley Gas & Electric Co.....	GTD.....	Pawtucket, Ashton, Pascoag	Central Falls.....	Central Falls.....	Blackstone.....
9	Do.....	GTD.....	Woonsocket and Manville..	Pawtucket.....	Pawtucket.....	do.....
9	Do.....	GTD.....	Lincoln and vicinity.....	Woonsocket.....	Woonsocket.....	Blackstone River.....
10	Tiverton Electric Light Co.....	H.....				
11	Fall River Electric Light Co.....	D.....	Tiverton.....			
11	Westerly Light & Power Co.....	GD.....	Southwestern Rhode Island.	Westerly.....	Westerly.....	

## B.—MUNICIPAL PLANTS.

12		D.....	Pascoag and Harrisville.....	Pascoag.....		
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## SOUTH CAROLINA.

## A.—PUBLIC UTILITY PLANTS.

1	Belton Power Co.....	GD.....	Belton and Williamston.....	Belton.....	Belton.....	Saluda.....
2	Blackville Lighting Co.....	GD.....	Blackville.....	Blackville.....	Blackville.....	
3	Branchville Electric & Telephone Co.....	GD.....	Branchville.....	Branchville.....	Branchville.....	
4	Brodie Light & Power Co.....	GD.....	Leesville.....	Leesville.....		
5	Carolina-Central Electric Co.....	GD.....	Darlington.....	Darlington.....	Darlington.....	
6	Do.....	GD.....	Florence and Mullins.....	Florence.....	Florence.....	
7	Do.....	GD.....	Marion and Mullins.....	Marion.....	Marion.....	
8	Carolina Light & Power Co.....	GD.....	Aiken, Vacluse and Graniteville.	Aiken.....		
9	Carolina Lumber & Power Co.....	GD.....	Timmons ville.....	Timmons ville.....	Timmons ville.....	
10	Carolina Public Service Co.....	GD.....	Johnston.....	Johnston.....	Johnston.....	
11	Charleston-Isle of Palms Traction Co.....	GTD.....	Mount Pleasant, Atlanticville, and Sullivan's Island.	Sullivan's Island.....	Sullivan's Island.....	
12	Columbia Railway, Gas & Electric Co.....	GTD.....	Shandon, Ames.....	Columbia.....	Columbia.....	
13	Do.....	HGTD.....	Eau Claire and New Rockland.	do.....		Broad River.....
14	Parr Shoals Power Co.....	GT.....	Columbia and Waverly.....			do.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## PENNSYLVANIA—Continued.

## B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
259	Private.....	50	170	200		75				Mc. C.
260	Do.....	200				125	\$0.10			Mc. C.
261	Do.....	288	250	250		145				Mc. C.
262-299			11,290	13,289	1,810	11,318				
	Total, B.....	538	11,710	13,739	1,810	11,663				

## C.—ALL OTHER PLANTS.

300			2,100	2,250		1,500				Mc.
301			2,175	2,400		1,600				Mc.
302			3,100	5,000		3,200			Niagara Lock and Ontario Power Co.	Mc.
303			900	1,128		700				Mc.
304			300	300		400				Mc.
305			7,380	(68,000)		41,000				Mc.
306			7,980	16,800		12,600				Mc.
307			7,500	12,100		9,100				Mc.
308	Private.....		500	530		460				Mc.
309	Do.....		10,800	(8,300)		5,000				Mc.
310			2,800	7,750		5,250				Mc.
311		133	150	150		150				Mc. M.
312-350			49,185	78,414	110	57,721				
	Total, C.....	133	94,870	203,122	110	138,681				
	Grand total.....	168,533	396,732	815,023	11,505	722,048				

## RHODE ISLAND.

## A.—PUBLIC UTILITY PLANTS.

1			750	1,200		825				Mc. M.
2			1,400	8,600		3,450				Mc. M.
3			14,000	28,260		20,570				Mc. M.
4	Private.....						\$0.26-\$0.12	\$0.10	Narragansett Electric Light- ing Co.	Mc. M. C.
5	Do.....						.26- .15	.10	do.....	Mc. M. C.
6			17,000	46,000		13,400				Mc. M.
7	Private.....	450				100	.10	\$0.10- .013		Mc. M. C.
8	Do.....	1,125	2,240	2,000		2,250	.10	.10- .013	Rhode Island Power Co.....	Mc. M. C.
9	Do.....	910	2,112	4,650		3,900	.115	.10- .0134	Hamlet Textile Co.....	Mc. M. C.
10										Mc. C.
11	Private.....				1,625	800	.25	.05- .0175	Norwich & Westerly Traction Co.	Mc. M. C.
	Total.....	2,485	37,502	90,710	1,625	45,295				

## B.—MUNICIPAL PLANTS.

12	Private.....						\$0.12		Blackstone Valley Gas & Elec- tric Co.	Mc. C.
	Grand total.....	2,485	37,502	90,710	1,625	45,295				

## SOUTH CAROLINA.

## A.—PUBLIC UTILITY PLANTS.

1	Private.....	4,650				3,100	\$0.15	\$0.12		M. M. O. C.
2			120	190		97½				Mc.
3			80	80		120				Mc.
4		200	100	100		125				Mc.
5	Private.....		250	350		200	\$0.10- .10	\$0.075- .05		Mc. C.
6	Do.....		900	1,270		950	.15- .10	.075- .05		Mc. C.
7	Do.....		380	425		325	.15- .10	.075- .05		Mc. C.
8		825	400	500		750	.18			Mc. M.
9			150	100		75				Mc.
10	Private.....		225	125		93	.125			Mc. C.
11			1,000	1,000		724	.15- .075	.15 - .075	Consolidated Railway & Light- ing Co.	M. C.
12			4,000	7,330		6,500				Mc. C.
13		8,000				11,500				Mc. M. O. C.
14		18,000				15,500				Mc. Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
**SOUTH CAROLINA**—Continued.  
 A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
15	Conneross Light & Power Co.....	GD.....	Seneca.....	Conneross.....	Near Seneca.....	Conneross Creek.
16	Craig, W. D., Electric Light Plant.....	GD.....	Chesterfield.....	Chesterfield.....		Thomsons Creek.
17	Denmark Light & Power Co.....	GD.....	Denmark.....	Denmark.....	Denmark.....	
18	Enoree Power Co.....	GD.....	Wellford, Fountain Inn, and Simpsonville.	Woodruff.....	Woodruff.....	
19	Fort Mill Electric Co.....	D.....	Fort Mill.....	Fort Mill.....	Fort Mill.....	
20	Hartsville Electric Light & Water Co.....	GD.....	Hartsville.....	Hartsville.....	Hartsville.....	
21	Harvin, W. S., Electric Light Plant.....	GD.....	Manning.....	Manning.....	Manning.....	
	International Gas & Electric Co.....	H.....				
22	Georgetown Railway & Light Co.....	GTD.....	Georgetown.....	Georgetown.....	Georgetown.....	
23	Ivy Water, Light & Power Co.....	GD.....	Pickens.....	Pickens.....	Pickens.....	Town Creek.
24	Kershaw Oil Mill Co.....	GD.....	Kershaw.....	Kershaw.....	Kershaw.....	
25	Lancaster Light & Power Co.....	D.....	Lancaster.....	Lancaster.....		
26	Lexington Electric Light & Power Co.....	GD.....	Lexington.....	Lexington.....	Lexington.....	
	Municipal Service Co.....	H.....				
27	Sumter Lighting Co.....	GD.....	Sumter.....	Sumter.....	Sumter.....	
28	North Electric Light & Power Co.....	GD.....	North.....	North.....	North.....	Bull Swamp Creek.
29	Pendleton Electric Light Co.....	GD.....	Autun and Pendleton.....	Autun.....	Autun.....	Three and Twenty Mile Creek.
30	Quattlebaum Light & Ice Co.....	GD.....	Conway.....	Conway.....	Conway.....	
31	Reedy River Power Co.....	GD.....	Lawrens and Watts.....	Boyd's Mill.....		
32	South Carolina Light, Power & Railways Co.....	GTD.....	Spartanburg and vicinity.....	Gaston Shoals.....	Gaston Shoals.....	Broad River.
33	Do.....	GTD.....		Spartanburg.....		
34	Southern Power Co.....	HGTD.....	Western South Carolina and central North Carolina.	Greenville.....	Greenville.....	
35	Catawba Power Co.....	GD.....		Rock Hill.....	India Hook Shoals.....	Catawba River.
36	Great Falls Power Co.....	GTD.....		Great Falls.....	Great Falls.....	
37	Do.....	GTD.....		Ninety-nine Island.....	Ninety-nine Island.....	Broad River.
38	Do.....	GTD.....		Rocky Creek.....	Rocky Creek.....	
39	Southern Public Utilities Co.....	HGTD.....	Western North Carolina and northwestern South Carolina.	Anderson.....	Portman Shoals.....	Seneca and Savannah Rivers.
40	Do.....	HGTD.....		Greenville.....	Greenville.....	
41	(Lessor, Savannah Power Co.).....	L.....		Greggs Shoals.....	Greggs Shoals.....	Savannah River.
42	Greenville-Carolina Power Co.....	GD.....		Greenville.....		Saluda River.
43	Sullivan Power Co.....	GTD.....		Laurens.....		
44	Summerville Ice, Light & Power Co.....	GD.....	Summerville.....	Summerville.....	Summerville.....	
45	Union Manufacturing & Power Co.....	GD.....	Union.....	Neal Shoals.....	Neal Shoals.....	Broad River.
	United Gas Improvement Co.....	H.....				
46	Charleston Consolidated Railway & Lighting Co.....	GD.....	Charleston.....	Charleston.....	Charleston.....	
47	Walhalla Light & Power Co.....	GD.....	Walhalla and West Union.....	Walhalla.....	Walhalla.....	Big Cane Creek.
48	Ware Shoals Manufacturing Co.....	GD.....		Ware Shoals.....	Ware Shoals.....	Saluda River.

## B.—MUNICIPAL PLANTS.

49		GD.....	Abbeville.....	Abbeville.....	Abbeville.....	
50		GD.....	Bamberg.....	Bamberg.....	Bamberg.....	
51		GD.....	Batesburg.....	Batesburg.....	Batesburg.....	
52		GD.....	Bennettsville.....	Bennettsville.....	Bennettsville.....	
53		GD.....	Bishopville.....	Bishopville.....	Bishopville.....	
54		GD.....	Camden.....	Camden.....	Camden.....	
55		GD.....	Clinton.....	Clinton.....	Clinton.....	
56		GD.....	Dillon.....	Dillon.....	Dillon.....	
57		D.....	Gaffney.....			
58		GD.....	Greenwood.....	Greenwood.....	Greenwood.....	
59		GD.....	Honea Path.....	Honea Path.....	Honea Path.....	
60		GD.....	Laurens.....	Laurens.....	Laurens.....	
61		GD.....	Newberry.....	Newberry.....	Newberry.....	
62		GD.....	Orangeburg.....	Orangeburg.....	Orangeburg.....	
63		GD.....	Rock Hill.....	Rock Hill.....	Rock Hill.....	
64		GD.....	St. Matthews.....	St. Matthews.....	St. Matthews.....	
65		GD.....	Seneca.....	Seneca.....	Seneca.....	
66		GD.....	Union and Monarch Mills.....	Union.....	Union.....	
67		D.....	Walhalla.....	Walhalla.....		
68		GD.....	Winnsboro.....	Winnsboro.....	Winnsboro.....	
69		D.....	Yorkville.....	Yorkville.....		

## C.—ALL OTHER PLANTS.

70	Clifton Manufacturing Co.....	G.....	Manufacturing.....	Clifton.....	Clifton.....	Pacolet River.
71	Courtenay Manufacturing Co.....	G.....	do.....	Newry.....		Little River.
72	Lockhart Mills.....		do.....	Lockhart.....	Lockhart.....	Broad River.
73	Pacolet Manufacturing Co.....		do.....	Pacolet.....	Pacolet.....	Pacolet River.
74	Pelzer Manufacturing Co.....	G.....	do.....	Pelzer.....	Pelzer.....	Saluda River.
75	Tucapau Mills.....		Mills.....	Tucapau.....	Tucapau.....	Tiger River.
76	Woodford Ginnery & Light Co.....			Woodford.....	Woodford.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## SOUTH CAROLINA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
15	Private.....	1,200				900		\$0.01 - \$0.0062		C.
16	Do.....	300				(180)	\$0.60	.40		C.
17			120	180		75				Mc.
18		1,600	300	250		1,100				Mc.
19							\$0.15- .09	.09 - .015	Southern Power Co.....	Mc.
20			(70)	100		60				Mc.
21			(80)	150		60	.16			Mc.
22			415	700		420				Mc. M.
23	Private.....	37	100	65		50	.10			Mc. M.
24			(50)	70		80				Mc. C.
25									Southern Power Co.....	Mc.
26		75				50				Mc.
27	Private.....		835	1,375		962	.12- .10	.03 - .015		Mc. M.
28	Do.....	175				75				Mc. M. C.
29	Do.....	100	100	100		65	.12- .04			Mc. C.
30	Do.....		225	200		75	.15			Mc. C.
31		1,800				1,500		50.00		Mc. M.
32		12,000				7,200				Mc. M.
33			2,400	4,000		3,000				Mc. M.
34			10,000	9,000		6,000				Mc. M. O.
35		13,450				6,600				Mc. M. O.
36		41,600				24,000				Mc. M. O.
37		31,200				18,000				Mc. M. O.
38		41,600				24,000				Mc. M. O.
39	Private.....	9,000	750	1,000		6,650	.10- .05	.09 - .01	Southern Power Co.....	Mc. M. O. C.
40			600	850		200			Greenville-Carolina Power Co.	Mc.
41		3,000				2,000				Mc. O.
42		4,300				2,600		.015- .01	Southern Power Co.....	Mc. M. C.
43		400				(240)				Mc.
44			360	270		160				Mc.
45	Private.....	8,000				5,200				Mc. M. O. C.
46			2,640	6,670		6,500				M. Mc.
47		100				100				Mc. C.
48	Private.....	5,000				4,000				Mc. O. C.
Total, A.....		206,612	4,256	36,450		162,161				

## B.—MUNICIPAL PLANTS.

49			150	150		150			Southern Public Utilities Co...	Mc.
50			200	225		150				Mc.
51			100	150		75				Mc.
52	Private.....		260	225		165	\$0.12-\$0.09	\$0.08 - \$0.06		Mc. C.
53			275	150		90				Mc.
54			350	550		300				Mc.
55			350	450		500				Mc.
56			225	150		100				
57									South Carolina Light, Power & Railways Co.	Mc.
58			206	200		250			Southern Public Utilities Co...	Mc.
59			125	110		85				Mc.
60			200	250		200			Reedy River Power Co.....	Mc.
61			260	360		325	.10- .06	.08 - .04	Southern Power Co.....	Mc. C.
62	Private.....		300	515		425	.10- .05	.10 - .05		Mc. C.
63	Do.....		250	300		215	.10- .05	.08 - .022	Catawba Power Co.....	Mc. C.
64			170	75		50				Mc.
65			110	100		65				Mc.
66			450	575		425				Mc.
67									Walhalla Light & Power Co...	Mc.
68			100	90		60				Mc.
69									Southern Power Co.....	Mc.
Total, B.....			4,081	4,625		3,630				

## C.—ALL OTHER PLANTS.

70	Private.....	2,000	900	750		1,500				O. M. C.
71	Do.....	1,200	700	700		100				O. C.
72	Do.....	2,800								O. M. C.
73	Do.....	2,800							South Carolina Light, Power & Railways Co.	O. C.
74	Do.....	6,500	6,000	4,500		1,800				O. M. C.
75		5,000								O.
76		100								Mc.
Total, C.....		20,400	7,600	5,950		3,400				
Grand total.....		227,012	45,937	47,025		169,191				



TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## SOUTH DAKOTA.

## A.—PUBLIC UTILITY PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	Artesian Light Co.	GD	Springfield	Springfield	Springfield	
2	Beresford Electric Light Plant	GD	Beresford	Beresford	Beresford	
3	Blunt Light & Power Co.	GD	Blunt	Blunt	Blunt	
4	Breitback Electric Co.	GD	Delmont	Delmont	Delmont	
5	Bridgewater Electric Power Co.	GD	Bridgewater	Bridgewater	Bridgewater	
6	Britton Milling Co.	GD	Britton	Britton	Britton	
7	Bushnell, R. A., Electric Light Plant	GD	Wessington Springs	Wessington Springs	Wessington Springs	
8	Byllesby, H. M., & Co.	M				
9	Consumers Power Co.	GD	Sioux Falls and vicinity	Sioux Falls	Sioux Falls	
10	Do	GD	do	do	do	Big Sioux River
11	Electric Light & Power Co.	GD	do	do	do	do
12	Canastota Electric Light Co.	GD	Canastota	Canastota		
13	Centerville Milling Co.	GD	Centerville	Centerville		
14	Chamberlain Gas, Light & Power Co.	GD	Chamberlain and Oacoma	Chamberlain	Chamberlain	
15	Chastka Bros. Electric Light Plant	GD	Tyndall	Tyndall	Tyndall	
16	Citizens Electric Co.	GD	Garretson	Gary	Garretson	
17	Citizens Light & Power Co.	GD	Ramona	Ramona		
18	Consolidated Power & Light Co. of South Dakota	GD	Deadwood and vicinity	Pluma	Pluma	
19	Do	GD		Spearfish		Red Water River
20	Custer Electric Light, Heat & Power Co.	GD	Custer	Custer	Custer	
21	Dakota Power Co.	GD	Rapid City and vicinity	Big Bend	Big Bend	
22	Do	GD		Rapid City	Rapid City	
23	Dell Rapids Light & Power Co.	GD	Dell Rapids	Baltic	Baltic	
24	Edgemont Electric Light Co.	GD		Edgemont		
25	Estelline Electric Light Co.	GD		Estelline		
26	Eureka Light & Power Co.	GD				
27	(Lessor, Aberdeen Engineering Co.)	L	Eureka	Eureka	Eureka	
28	Faulkton Light & Power Co.	D	Faulkton			
29	Ferris Bros. System	H				
30	Watertown Light & Power Co.	GD	Watertown	Watertown	Watertown	
31	Yankton Light, Heat & Power Co.	GD	Yankton	Yankton	Yankton	
32	Flandreau Light & Power Co.	GD	Flandreau, Egan, and Colman	Flandreau	Flandreau	
33	Fort Pierre Power Co.	D	Fort Pierre			
34	Gordelia Mining Co.	GD		Rockford		
35	Gregory Light & Power Co.	GD	Gregory	Gregory	Gregory	
36	Groton Light, Heat & Power Co.	GD	Groton	Groton	Groton	
37	Harrold Telephone & Electric Light Plant	GD		Harrold	Harrold	
38	Hartford Electric Light & Telephone Co.	GD	Hartford and Humboldt	Hartford	Hartford	
39	Hayti Light & Power Co.	GD	Hayti	Hayti	Hayti	
40	Hecla Light & Power Co.	GD	Hecla	Hecla	Hecla	
41	Henry Light & Power Co.	GD	Henry	Henry	Henry	
42	Hersey, C. B., Co.	D	Langford	Langford		
43	Homestake Mining Co.	GD	Spearfish	Spearfish	Spearfish	Spearfish Creek
44	Spearfish Electric Light & Power Co.	GD	do	Englewood	do	
45	Hurley Light Co.	GD	Hurley	Hurley	Hurley	
46	Huron Light & Power Co.	GD	Huron	Huron	Huron	
47	Interstate Power Co.	GTD	Armour	Armour	Armour	
48	Do	GTD	Lake Andes	Lake Andes	Lake Andes	
49	Do	GTD	Platte	Platte	Platte	
50	Do	GTD	Scotland	Scotland	Scotland	
51	Ipswich Electric Light & Power Co.	GD	Ipswich	Ipswich	Ipswich	
52	Jensen Bros. Electric Light Plant	GD	Irene	Irene		
53	Lake Preston Milling Co.	GD	Lake Preston and Hetland	Lake Preston	Lake Preston	
54	Liddle, L. W.	GD	Iroquois	Iroquois	Iroquois	
55	Light & Development Co. of St. Louis	H				
56	Mitchell Power Co.	GD	Mitchell	Mitchell	Mitchell	
57	Martin, B. H., Electric Light & Power Co.	GD				
58	(Lessor, Dallas Electric Light, Heat & Power Co.)	L	Dallas	Dallas	Dallas	
59	Milbank Light & Power Co.	GD	Milbank	Milbank	Milbank	
60	Miner County Milling & Lighting Co.	GD	Howard and Canova	Howard	Howard	
61	Mobridge Electric Light, Heat & Power Co.	GD	Mobridge	Mobridge	Mobridge	
62	Mortensen's Electric Light Plant	GD	Toronto	Toronto	Toronto	
63	Mueller Electric Light Co.	GD	Tripp	Tripp	Tripp	
64	Onida Electric Light & Power Co.	GD	Onida	Onida	Onida	
65	Pierpont Electric Light Co.	GD	Pierpont	Pierpont		
66	Rapid River Milling Co.			Rapid City		
67	Salem Milling, Lighting & Heating Co.	GD	Salem	Salem	Salem	
68	Schenks Electric Light Plant	GD		Menno		
69	Schuler Electric Co.	GD	Woonsocket	Woonsocket	Woonsocket	
70	Securities Investment Co.	GD	Lemmon	Lemmon	Lemmon	
71	Sioux Valley Power Co.	GD	Canton, Fairview, Inwood, Iowa	Canton	Canton	
72	Sisseton Mill & Light Co.	GD	Sisseton	Sisseton	Sisseton	
73	Sturgis Power & Light Co.	D	Sturgis			
74	Union Company of Omaha	H				
75	Aberdeen Light & Power Co.	GD	Aberdeen	Aberdeen	Aberdeen	
76	Vermilion Milling & Electric Co.	GD	Vermilion	Vermilion	Vermilion	
77	Viborg and Center Power & Telegraph Co.	GD	Viborg	Viborg	Viborg	
78	Wakonda Light, Power & Heating Co.	GD	Wakonda	Wakonda	Wakonda	
79	Water, Light & Power Co.	GD	Hot Springs	Hot Springs	Hot Springs	Fall River
80	Waubay Motor Sales Co.	GD	Waubay	Waubay	Waubay	
81	White Lake Light & Power Co.	GD	White Lake	White Lake	White Lake	
82	Whitewood Light & Power Co.	D	Whitewood	Whitewood		
83	Woodward, C. B.	GD	Mount Vernon	Mount Vernon	Mount Vernon	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## SOUTH DAKOTA.

## A.—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower-year.	Purchases power from—	Source of information.
1	Private.....				40	15	\$0.15	\$0.15		Mc. C.
2			200	180		100	.15			Mc.
3					25	15				Mc.
4	Private.....				40	30	.20			C.
5					66	60				Mc. C.
6			80	80		50	.08	.08		Mc. C.
7					100	37½				Mc.
8			800	1,070		800				Mc. O.
9		2,000	840	2,670		3,500				Mc. M. O.
10		(65)				40				O. C.
11	Private.....				75	55	.20			C.
12		50	190	90		60				Mc.
13					150	125				Mc. C.
14			300	108		45				Mc.
15					85	24				Mc.
16					21	(15)	.075			C.
17			3,500	4,670		3,750				Mc. M. O.
18		1,000				1,000			Dakota Power Co.	Mc. M. O.
19	Private.....		300	150		50	.15			Mc. C.
20	Forest.....	2,400				1,500	\$0.125— .09	\$0.05— .125		Mc. M. C.
21		150	600	530		500				Mc. M. O.
22		150	100	(100)		100				Mc.
23						125				C.
24			(50)	(50)		32				O. C.
25					143	110				Mc.
26										Mc.
27	Private.....		750	650		487½	.15	.08		Mc. M.
28			300	400		425	.15	.08— .06		Mc. C.
29	Private.....	75			180	125				C.
30										Mc.
31		(10)				7				O.
32					100	120				Mc.
33	Private.....		125	100	65	100	.15 — .125	.07		Mc. C.
34	Do.....				20	12½				
35					200	75				Mc.
36					35	28				O. Mc. C.
37			50	32		12½				Mc. C.
38	City.....				40	15	.20 — .15	.20— .15		Mc. O.
39			80	65		15	.18			Mc. O.
40	Forest.....	6,000				6,000				Mc. O. C.
41		225	200	175		300				Mc. O.
42					85	50				Mc. C.
43	Private.....				500	300	.135— .06	.06		Mc. M. O.
44	Do.....				395	310	.15 — .07	.11— .05		Mc. O.
45					50	40	.15			Mc. O.
46					90	50				Mc. O.
47					65	60				Mc. O.
48	Private.....				65	40	.15 — .13	.15— .11		Mc. C.
49										Mc.
50	Private.....		190	230		50	.16 — .15	.10— .08		Mc. C.
51			60	50		30				Mc.
52	Private.....		825	400	450	600	.10	.06		Mc. C.
53	Do.....				110	37½	.20 — .10			Mc. C.
54					170	110				Mc.
55			175	175		75	.15 — .10	.08		Mc. O.
56			250	175		111				Mc. C.
57					26	28				Mc.
58					(25)	15	.15			Mc.
59					71	42				Mc.
60	Private.....				22	(45)	.20			O.
61	Do.....									O.
62	Do.....		200	(150)		86	.15 — .10			Mc. C.
63					55	35	.20			C.
64			70	50		45				Mc.
65	Private.....		200	80		60	.16 — .10			C.
66	Do.....		240	185		175	.12 — .08	.07— .05		Mc.
67			185	175		100				Mc.
68							.10 — .02	.10— .02	Consolidated Power & Light Co.	Mc. C.
69			750	1,000		840	.20 — .15	.20— .15		Mc. C.
70			200	225		225				Mc.
71	Private.....				40	30				Mc. C.
72					50	30				Mc.
73		450	100	100		450				Mc. O. C.
74					95	30	.15	.10		Mc. C.
75					25	15				Mc.
76									Consolidated Power & Light Co.	Mc.
77					74	17				Mc.
Total, A.....		12,595	11,910	14,115	17,963	23,961				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
SOUTH DAKOTA—Continued.

B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
78		GD	Arlington	Arlington	Arlington	
79		GD	Brookings	Brookings	Brookings	
80		GD	Bowdle	Bowdle	Bowdle	
81		GD	Bryant	Bryant	Bryant	
82		GD	Garretson	Garretson	Garretson	
83		GD	McIntosh	McIntosh	McIntosh	
84		GD	Madison	Madison	Madison	
85		GD	Miller	Miller	Miller	
86		GD	Oldham	Oldham	Oldham	
87		GD	Pierre	Pierre	Pierre	
88		GD	Redfield	Redfield	Redfield	
89		D	Sioux Falls	Sioux Falls		
90		GD	Tyndall	Tyndall	Tyndall	
91		GD	Valley Springs	Valley Springs	Valley Springs	
92		GD	Vienna	Vienna	Vienna	
93		GD	Webster	Webster	Webster	
94		GD	Wilmot	Wilmot	Wilmot	

C.—ALL OTHER PLANTS.

95	Hot Springs Irrigation & Live Stock Co.			Cascade Creek		Cascade Creek
96	Rapid River Milling Co.		Milling	Rapid City	Rapid City	

TENNESSEE.

A.—PUBLIC-UTILITY PLANTS.

1	Algood Electric Light Co.	D	Algood	Algood	Algood	
2	Bay Mountain Electric Co.	GD	Rockford and Maryville	Rockford	Rockford	Little River
3	Bell Buckle Milling Co.	GD	Bell Buckle	Bell Buckle	Bell Buckle	
4	Big Brushy Coal Co.			Petros		
5	Binghamton Light & Power Co.	GD	Binghamton and Hiland Heights	Binghamton	Binghamton	
6	Bluff City Electric Light & Power Co.	D	Bluff City	Bluff City	Bluff City	
7	Brooks Manufacturing Co.	GD	Bells	Bells	Bells	
8	Brownsville Cotton Oil & Ice Co.	GD	Brownsville	Brownsville	Brownsville	
9	Chattanooga & Tennessee River Power Co.	GTD	Chattanooga	Hales Bar		Tennessee River
10	Clark, E. W., & Co., Management Corporation	M				
11	Chattanooga Railway & Light Co.	GTD	Chattanooga and vicinity	Chattanooga, No. 1	Chattanooga	
12	Do	GTD	do	Chattanooga, No. 2	do	
13	Nashville Railway & Light Co.	GTD	Nashville	Nashville	Nashville	
13	Tennessee Power Co.	GTD	Eastern Tennessee and Northwestern Georgia	Ocoee, No. 1	S. 24, T. 2 S., R. 2 E.	Ocoee River
14	Do	GTD	do	Ocoee, No. 2	S. 2, T. 2 S., R. 3 E.	do
15	Clifton Ice Co.	GD	Clifton	Clifton	Clifton	
16	Clinton Electric Light Co.	GD	Clinton	Clinton	Clinton	
17	Coal Creek Electric Light Co.	GD	Coal Creek and Briceville	Coal Creek	Coal Creek	
18	Coats, J. H., & Co.	GD	Greenfield	Greenfield	Greenfield	
19	Columbia Water & Light Co.	GD	Columbia	Columbia	Columbia	
20	Cunningham, E. M.	GD				
20	(Lessor, Mount Pleasant Electric Co.)	L	Mount Pleasant	Mount Pleasant	Mount Pleasant	
21	Davis-Elam Gas & Electric Co.	GD	Murfreesboro	Murfreesboro	Murfreesboro	
22	Doherty Operating Co.	M				
22	Bristol Gas & Electric Co.	GD	Bristol, Tennessee, and Virginia	Bristol	Bristol	
23	Watauga Power Co.	GD	Sullivan and Carter Counties	Wilbur		Watauga River
24	Dyer Fruit Box Manufacturing Co.	GD	Dyer	Dyer	Dyer	
25	Erin Electric Light Co.	GD				
25	(Lessor, A. B. Gibson)	L	Erin	Erin	Erin	
26	Etowah Water & Light Co.	D	Etowah	Etowah	Etowah	
27	Fayetteville Electric Light & Power Co.	GD	Lafayetteville	Lafayetteville		
28	General Utilities & Operating Co.	H				
28	Rockford Electric Co.	GD	Maryville	Maryville	Maryville	
29	Henning Light & Ice Co.	GD	Henning	Henning	Henning	
30	Isabell, J. A.	GD	Baxter	Baxter	Baxter	
31	Jackson Railway & Light Co.	GTD	Jackson and Hicksville	Jackson	Jackson	
32	Jefferson City Milling & Electric Co.	GD	Jefferson City	Jefferson City	Jefferson City	
33	Jellico Electric Light, Heat & Power Co.	GD	Jellico	Jellico	Jellico	
34	La Follette Water, Light & Telephone Co.	GD	La Follette	La Follette	La Follette	
35	Laylor, S. W.	GD	McEwen	McEwen	McEwen	
36	Lenoir Light & Power Co.	D	Lenoir City	Lenoir City		
37	Lewisburg Light & Power Co.	GD	Lewisburg and Cornersville	Lewisburg	Lewisburg	
38	Long Manufacturing Co.	H				
38	Athens Light & Power Co.	GD	Athens	Athens	Athens	
39	Loudon Hosiery Mills	D	Loudon	Loudon		
40	Memphis Consolidated Gas & Electric Co.	GD	Memphis and vicinity	Memphis	Memphis	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## SOUTH DAKOTA—Continued.

## B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
78			70	60	40	60				Mc. C.
79			300	280		210				Mc.
80			130	130		100				C.
81					25	24				Mc.
82					55	36				Mc. C.
83					(43)	25				Mc. C.
84					325	200	\$0.10	\$0.06		Mc. O.
85					95	100				Mc.
86	Private.....				40	22	\$0.21- .19	\$0.21- .19		Mc. O.
87				500		(300)				Mc.
88			300	200		175				Mc. C.
89									Consumers Power Co.	Mc.
90					150	95				Mc.
91					84	46	.125			C.
92					36	22½				Mc.
93			250	250		200				Mc.
94					43	30				Mc.
	Total, B.....		1,050	1,420	936	1,645				

## C.—ALL OTHER PLANTS.

95		(370)				225				O.
96		88				(50)				C.
	Total, C.....	458				275				
	Grand total.....	13,053	12,960	15,535	18,899	25,881				

## TENNESSEE.

## A.—PUBLIC-UTILITY PLANTS.

1	Private.....		(30)	35		25				Mc. C.
2		250				200	\$0.015	\$0.015		C.
3	Private.....		125	100		65	.125			Mc. C.
4										Mc.
5			250	350		285				Mc.
6							\$0.10- .08	\$0.035- .025	Watauga Power Co.	Mc. C.
7			120	45		30				Mc.
8			(300)	450		262½				Mc.
9		42,000				31,330				Mc. M. O.
10			4,540	7,500		5,000			Tennessee Power Co.	Mc. M. C.
11			1,560	2,500		2,000				Mc. M. C.
12			11,250	20,000		16,750	.12		Tennessee Power Co.	Mc. M. C.
13	Private.....	25,000				18,750		.015- .006	Chattanooga & Tennessee River Power Co.	Mc. M. O. C.
14	Do.....	20,000				15,000			do.	Mc. M. O. C.
15			160	100		30				Mc.
16			100	75		75				Mc.
17			125	210		35				Mc.
18	Private.....		160	90		82				Mc. C.
19			400	450		350				Mc. M.
20	Private.....		150	100		90	.20- .09			Mc. C.
21		350	200	188		250			Tennessee Power Company	Mc.
22	Private.....		850	800		700	.10- .06	.08 - .0075	Watauga Power Co.	Mc. M. C.
23	Do.....	3,200				2,400	.10- .066	.08 - .0075		Mc. M. O. C.
24			(150)	200		125	.15			Mc. C.
25	Private.....		100	75		50				C.
26	Do.....						.10	.05	Tennessee Power Co.	Mc. C.
27		100	300	25		350				Mc.
28			100	60		275			Bays Mountain Power Co.	Mc. C.
29										Mc.
30	Private.....			30		15	.10			C.
31	Do.....		912	1,670		1,500	.15- .03	.06 - .03		Mc. C.
32			300	250		125				Mc.
33			400	450		320				Mc.
34	Private.....		450	225		150	.15	.07		Mc. M.
35			125	70		60				Mc.
36									Tennessee Power Co.	Mc.
37	Private.....		275	225		150	.10	.08 - .03		Mc. C.
38	Do.....	60	100	100		85	.10- .05	.10 - .03	Tennessee Power Co.	Mc. C.
39										Mc.
40			7,150	11,500		11,500	.10- .04	.10 - .02		Mc. M. C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
TENNESSEE—Continued.

A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Charac-ter of com-pany.	Market supplied.	Name of plant.	Location.	Stream utilized.
41	Merchants Power Co.....	GD.....	Memphis.....	Memphis.....	Memphis.....	
42	Monterey Electric Co.....	GD.....	Monterey.....	Monterey.....	Monterey.....	
43	Newport Mill Co.....	GD.....	Newport.....	Newport.....	Newport.....	
44	Oliver Springs Electric Light & Power Co.....	GD.....	Oliver Springs.....	Oliver Springs.....	Oliver Springs.....	
45	Petros Electric Light Co.....	D.....	Petros.....	Petros.....		
46	Priestly-Loyd Light & Power Co.....	GD.....	Henderson.....	Henderson.....	Henderson.....	
47	Public Light & Power Co.....	GD.....	Rhea County.....	Dayton.....	Dayton.....	
48	Do.....	GD.....	Rockwood.....	Rockwood.....	Rockwood.....	
49	Do.....	GD.....	Bedford, Coffee, and Frank- lin Counties.	Shelbyville.....		
50	Do.....	GD.....	do.....	Winchester.....		
51	Rhea Springs Light & Power Co.....	D.....	Rhea Springs.....	Rhea Springs.....	Rhea Springs.....	
52	Ripley Light, Water & Ice Co.....	GD.....	Ripley.....	Ripley.....	Ripley.....	
53	Rogersville Electric Co.....	GD.....	Rogersville.....	Rogersville.....		
54	Selmer Electric Light & Gin Co., The.....	GD.....	Selmer.....	Selmer.....	Selmer.....	
55	South Pittsburg Light & Power Co.....	GD.....	South Pittsburg.....	South Pittsburg.....	South Pittsburg.....	
56	Tennessee Eastern Electric Co.....	HGD...	Greene and Washington Counties.	Nolichucky.....		Nolichucky River....
57	Johnson City Traction Corporation.....	GD.....	do.....	Johnson City.....	Johnson City.....	
58	United Gas & Electric Corporation of Connecticut. Knoxville Railway & Light Co.....	H.....				
59	Walling Light & Power Co.....	GTD...	Knoxville and vicinity.....	Knoxville.....	Knoxville.....	
60	Waverly Light & Water Co.....	GD.....	McMinnville.....	McMinnville.....	Waverly.....	

B.—MUNICIPAL PLANTS.

61		GD.....	Bolivar.....	Bolivar.....	Bolivar.....	
62		GD.....	Colliersville.....	Colliersville.....	Colliersville.....	
63		GD.....	Cookeville.....	Cookeville.....	Cookeville.....	
64		GD.....	Covington.....	Covington.....	Covington.....	
65		GD.....	Dickson.....	Dickson.....	Dickson.....	
66		GD.....	Dyersburg.....	Dyersburg.....	Dyersburg.....	
67		GD.....	Gallatin.....	Gallatin.....	Gallatin.....	
68		GD.....	Halls and Gates.....	Halls.....	Halls.....	
69		GD.....	Harriman.....	Harriman.....	Harriman.....	
70		GD.....	Humboldt.....	Humboldt.....	Humboldt.....	
71		GD.....	Huntingdon.....	Huntingdon.....	Huntingdon.....	
72		GD.....	Jackson.....	Jackson.....	Jackson.....	
73		GD.....	Lawrenceburg.....	Lawrenceburg.....		
74		D.....	Lebanon.....	Lebanon.....	Lebanon.....	
75		GD.....	McKenzie.....	McKenzie.....	McKenzie.....	
76		GD.....	McMinnville.....	McMinnville.....	McMinnville.....	
77		GD.....	Martin.....	Martin.....	Martin.....	
78		GD.....	Milan.....	Milan.....	Milan.....	
79		GD.....	Millington.....	Millington.....	Millington.....	
80		GD.....	Morristown.....	Morristown.....	Morristown.....	
81		GD.....	Newbern.....	Newbern.....	Newbern.....	
82		GD.....	Obion.....	Obion.....	Obion.....	
83		GD.....	Paris.....	Paris.....	Paris.....	
84		GD.....	Pulaski.....	Pulaski.....	Pulaski.....	
85		GD.....	Somerville.....	Somerville.....	Somerville.....	
86		GD.....	Springfield.....	Springfield.....	Springfield.....	
87		GD.....	Trenton.....	Trenton.....	Trenton.....	
88		GD.....	Tullahoma.....	Tullahoma.....	Tullahoma.....	
89		GD.....	Union City.....	Union City.....	Union City.....	

C.—ALL OTHER PLANTS.

90	United Gas & Electric Corporation of Conn.: Memphis Street Ry. Co.....	G.....	Electric railway.....	Memphis.....	Memphis.....	
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TEXAS.

A.—PUBLIC UTILITY PLANTS.

1	Agricultural & Mechanical College Electric Light Plant.....	GD.....	College Station.....	College Station.....	College Station.....	
2	Alpine Light & Ice Co.....	GD.....	Alpine.....	Alpine.....	Alpine.....	
3	Alto Light & Ice Co.....	GD.....	Alto.....	Alto.....	Alto.....	
4	American Light & Traction Co..... San Antonio Gas & Electric Co.....	H..... GD.....	San Antonio.....	San Antonio.....	San Antonio.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## TENNESSEE—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
41	.....	.....	3,000	7,330	.....	5,500	.....	.....	.....	Mc. M.
42	.....	.....	125	100	.....	75	.....	.....	.....	Mc. C.
43	.....	.....	.....	.....	.....	150	.....	.....	.....	Mc.
44	.....	.....	100	80	.....	60	.....	.....	.....	Mc.
45	.....	.....	.....	.....	.....	.....	.....	.....	Big Bursley Coal Co.	Mc.
46	Private.....	.....	.....	.....	80	55	.....	.....	.....	Mc. C.
47	.....	.....	200	225	.....	110	.....	.....	.....	Mc. M. C.
48	.....	.....	250	300	.....	90	.....	.....	.....	Mc. M.
49	.....	500	500	600	.....	700	.....	.....	Chattanooga & Tennessee River Power Co.	Mc. M.
50	.....	480	100	125	.....	367½	.....	.....	.....	Mc. M.
51	Private.....	.....	.....	.....	.....	.....	.....	.....	Spring City.....	Mc. C.
52	Do.....	.....	250	350	.....	162	.....	.....	.....	Mc. C.
53	.....	200	150	140	.....	225	.....	.....	.....	Mc.
54	Private.....	.....	60	125	.....	35	.....	.....	.....	C.
55	.....	.....	100	136	.....	60	.....	.....	.....	Mc.
56	Private.....	5,000	900	1,100	.....	5,250	.....	.....	.....	Mc.M.O.C.
57	.....	.....	900	1,170	.....	650	.....	.....	.....	Mc. M.
58	Private.....	.....	3,900	9,070	.....	6,800	.....	.....	Tennessee Power Co.....	Mc. M. C.
59	.....	395	.....	.....	.....	325	.....	.....	.....	Mc.
60	.....	.....	150	100	.....	45	.....	.....	.....	.....
Total, A.....		97,535	41,362	68,824	80	129,074	.....	.....	.....	.....

## B.—MUNICIPAL PLANTS.

61	.....	.....	120	120	.....	60	.....	.....	.....	Mc.
62	.....	.....	100	65	.....	60	.....	.....	.....	C.
63	Private.....	.....	100	130	.....	100	.....	.....	.....	Mc. C.
64	.....	.....	460	500	.....	300	.....	.....	.....	Mc.
65	.....	.....	228	140	.....	90	.....	.....	.....	Mc. C.
66	.....	.....	600	579	.....	435	.....	.....	.....	Mc. C.
67	Private.....	.....	275	250	.....	250	.....	.....	.....	Mc. C.
68	.....	.....	125	60	.....	75	.....	.....	.....	Mc.
69	Private.....	.....	400	255	.....	375	.....	.....	.....	Mc. C.
70	.....	.....	537	325	.....	250	.....	.....	.....	Mc. C.
71	.....	.....	175	125	.....	90	.....	.....	.....	Mc.
72	Private.....	.....	400	200	.....	60	.....	.....	.....	Mc. C.
73	.....	300	.....	.....	.....	250	.....	.....	.....	Mc.
74	.....	.....	.....	.....	.....	.....	.....	.....	Cedar City Milling Co.....	Mc.
75	.....	.....	100	87	.....	75	.....	.....	.....	Mc. C.
76	.....	.....	170	240	.....	150	.....	.....	.....	Mc.
77	.....	.....	310	370	.....	225	.....	.....	.....	Mc.
78	.....	.....	160	125	.....	85	.....	.....	.....	Mc.
79	.....	.....	65	35	.....	25	.....	.....	.....	Mc.
80	.....	.....	375	600	.....	450	.....	.....	.....	Mc.
81	.....	.....	275	210	.....	135	.....	.....	.....	Mc.
82	.....	.....	100	150	.....	75	.....	.....	.....	Mc.
83	Private.....	.....	500	750	.....	450	.....	.....	.....	Mc. C.
84	.....	.....	.....	.....	225	200	.....	.....	.....	Mc.
85	Private.....	.....	200	140	.....	85	.....	.....	.....	Mc. C.
86	Do.....	.....	280	400	.....	250	.....	.....	.....	Mc. C.
87	.....	.....	180	150	.....	150	.....	.....	.....	Mc.
88	.....	.....	250	200	.....	150	.....	.....	Stone Fort Power Co.....	Mc.
89	.....	.....	240	215	.....	350	.....	.....	.....	.....
Total, B.....		300	6,725	6,421	225	5,250	.....	.....	.....	.....

## C.—ALL OTHER PLANTS.

90	Private.....	.....	7,820	13,900	.....	8,800	.....	.....	.....	Mc. M. C.
Total, C.....		.....	7,820	13,900	.....	8,800	.....	.....	.....	.....
Grand total.....		97,835	55,907	89,145	305	143,124	.....	.....	.....	.....

## TEXAS.

## A.—PUBLIC UTILITY PLANTS.

1	.....	.....	1,500	1,000	.....	450	.....	.....	.....	Mc.
2	.....	.....	.....	.....	130	90	.....	.....	.....	Mc.
3	Private.....	.....	.....	.....	105	75	.....	.....	.....	C.
4	Do.....	.....	6,653	12,278	.....	9,015	.....	.....	.....	M. Mc. C.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY

## TEXAS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
5	American Power & Light Co.	GD.	Fort Worth.	Fort Worth.	Fort Worth.	
6	Fort Worth Power & Light Co.	GD.	Eagle Pass and points in Mexico.	Eagle Pass.	Eagle Pass.	
7	International Electric Co.	GD.	Bartlett.	Bartlett.	Bartlett.	
8	Texas Power & Light Co.	GD.	Bonham.	Bonham.	Bonham.	
9	Do.	GD.	Brownwood.	Brownwood.	Brownwood.	
10	Do.	GD.	Commerce.	Commerce.	Commerce.	
11	Do.	GD.	Denison and Sherman.	Denison.	Denison.	
12	Do.	GD.	Gainesville.	Gainesville.	Gainesville.	
13	Do.	GD.	Collin, Grayson, and Dallas Counties.	McKinney.	McKinney.	
14	Do.	GD.	Palestine.	Palestine.	Palestine.	
15	Do.	GD.	Paris.	Paris.	Paris.	
16	Do.	GD.	Sherman.	Sherman.	Sherman.	
17	Do.	GD.	Taylor.	Taylor.	Taylor.	
18	Do.	GD.	Temple.	Temple.	Temple.	
19	Do.	GD.	Tyler.	Tyler.	Tyler.	
20	Do.	GD.	Waco and Corsicana.	Waco.	Waco.	
21	West Texas Electric Co.	GD.	Big Spring.	Big Spring.	Big Spring.	
22	Do.	GD.	Sweet Water.	Sweet Water.	Sweet Water.	
23	Wichita Falls Electric Co.	GD.	Wichita County.	Wichita Falls.	Wichita Falls.	
24	American Public Service Co.	H.				
25	Abilene Gas & Electric Co.	GD.	Abilene and Merkel.	Abilene.	Abilene.	
26	Baird Light & Ice Co.	GD.	Baird.	Baird.	Baird.	
27	Cisco Gas & Electric Co.	GD.	Cisco.	Cisco.	Cisco.	
28	Jefferson Ice & Light Co.	GD.	Jefferson.	Jefferson.	Jefferson.	
29	Longview Ice & Light Co.	GD.	Longview.	Longview.	Longview.	
30	Marshall Electric Co.	GD.	Marshall.	Marshall.	Marshall.	
31	Merkel Electric Co.	D.	Merkel.	Merkel.	Merkel.	
32	Ashcroft, B. F., & Sons.	GD.	Sulphur Springs.	Sulphur Springs.	Sulphur Springs.	
33	Atascosa Ice, Water & Light Co.	GD.	Jourdanton.	Jourdanton.	Jourdanton.	
34	Athens Electric Light & Power Co.	GD.	Athens.	Athens.	Athens.	
35	Ballinger Cotton Oil Co.	GD.	Ballinger.	Ballinger.	Ballinger.	
36	Barstow Electric Co.	GD.	Barstow.	Barstow.	Barstow.	
37	Bastrop Water, Light & Ice Co.	GD.	Bastrop.	Bastrop.	Bastrop.	
38	Belleville Promoting Co.	GD.	Belleville.	Belleville.	Belleville.	
39	Blankenship, Arthur, Light Plant.	GD.	San Diego.	San Diego.	San Diego.	
40	Boerne Electric Power & Manufacturing Co.	D.	Boerne.	Boerne.	Boerne.	
41	Bremont Electric Light Plant.	GD.	Bremont.	Bremont.	Bremont.	
42	Brenham Compress Oil & Manufacturing Co.	GD.	Brenham.	Brenham.	Brenham.	
43	Bridgeport Brick Co.	GD.	Bridgeport.	Bridgeport.	Bridgeport.	
44	Brunner Water & Light Co.	GD.	Brunner.	Brunner.	Brunner.	
45	Bryan Power Co. (Inc.)	GD.	Bryan.	Bryan.	Bryan.	
46	Caldwell Electric Power & Ice Co.	GD.	Caldwell.	Caldwell.	Caldwell.	
47	Calvert Water, Ice & Electric Light Co.	GD.	Calvert.	Calvert.	Calvert.	
48	Cameron Water, Power & Light Co.	GD.	Cameron.	Cameron.	Cameron.	
49	Canadian Water, Light & Power Co.	GD.	Canadian.	Canadian.	Canadian.	
50	Canyon Power Co.	GD.	Canyon.	Canyon.	Canyon.	
51	Central Power & Transportation Co.	GD.	Bosque, Erath, and Hamilton Counties.	Hico.	Hico.	
52	Chamblee & Phipps Electric Plant.	GD.	Atlanta.	Atlanta.	Atlanta.	
53	Childress Ice & Light Co.	GD.	Childress.	Childress.	Childress.	
54	City Ice & Electric Co.	GD.	Del Rio.	Del Rio.	Del Rio.	
55	City Light & Power Co.	GD.	Killeen.	Killeen.	Killeen.	
56	City Water & Light Co.	GD.	Anson.	Anson.	Anson.	
57	City of Weatherford Water, Light & Ice Co.	GD.	Weatherford.	Weatherford.	Weatherford.	
58	Citizens Electric Light & Power Co.	GD.	Gonzales.	Gonzales.	Gonzales.	Guadalupe River.
59	Citizens Light & Power Co.	GD.	Wichita Falls.	Wichita Falls.	Wichita Falls.	
60	Clarendon Light & Power Co.	GD.	Clarendon.	Clarendon.	Clarendon.	
61	Clarksville Light Co.	GD.	Clarksville.	Clarksville.	Clarksville.	
62	Colorado River Power Co.	GD.	Austin and vicinity.	Marble Falls.	Marble Falls.	Colorado River.
63	Columbus Light Co.	GD.	Columbus.	Columbus.	Columbus.	
64	Conroe Gas & Light Co.	D.	Conroe.	Conroe.	Conroe.	
65	Copper Electric Co.	GD.	Cooper.	Cooper.	Cooper.	
66	Corpus Christi Railway & Lighting Co.	GD.	Corpus Christi.	Corpus Christi.	Corpus Christi.	
67	Corsicana Gas & Electric Co.	GD.	Corsicana.	Corsicana.	Corsicana.	
68	Crockett Ice, Electric Light & Power Co.	GD.	Crockett.	Crockett.	Crockett.	
69	Dabney, A. D., Light Plant.	GD.	Eastland.	Eastland.	Eastland.	
70	Dalhart Ice & Electric Co.	GD.	Dalhart.	Dalhart.	Dalhart.	
71	Dallas Ice Factory, Light & Power Co.	GD.	Dallas.	Dallas.	Dallas.	
72	De Leon-Gorman Light & Power Co.	GD.	De Leon and Gorman.	De Leon.	De Leon.	
73	Denton Traction Co.	GD.	Denton.	Denton.	Denton.	
74	Doherty Operating Co.	M.				
75	Amarillo Street Ry. Co.	GD.	Amarillo.	Amarillo.	Amarillo.	
76	Brush Electric Co.	GD.	Galveston.	Galveston.	Galveston.	
77	Central Service Co.	GD.	El Campo.	El Campo.	El Campo.	
78	City Light & Water Co.	GD.	Amarillo.	Amarillo.	Amarillo.	
79	Rio Grande Public Service Corporation.	GD.	McAllen.	McAllen.	McAllen.	
80	Edna Light, Ice & Water Co.	GD.	Edna.	Edna.	Edna.	
81	Electric Light & Ice Co.	GD.	Leonard.	Leonard.	Leonard.	
82	Elgin Light & Power Co.	GD.	Elgin.	Elgin.	Elgin.	
83	Emanuel, Albert, Co.	M.				
84	Texas Public Service Co.	GD.	Bay City and vicinity.	Bay City.	Bay City.	
	Do.	GD.	Gilmer and vicinity.	Gilmer.	Gilmer.	
	Do.	GD.	Mount Pleasant and vicinity.	Mount Pleasant.	Mount Pleasant.	
	Do.	GD.	Vernon and vicinity.	Vernon.	Vernon.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## TEXAS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
5	Private.....		7,600	17,330		13,000	\$0.11-\$0.05	\$0.05-\$0.01		Mc. O. C.
6			1,076	1,700		1,255	.16- .08	.06- .02		Mc. C.
7					90	120				Mc. C.
8	Private.....		300	325		210	.14- .07	.055- .01		Mc. C.
9	Do.....		397	235	450	725	.15- .08	.055- .01		Mc. C.
10	Do.....		300	175		150	.15- .07			Mc. C.
11	Do.....		1,755	1,550		1,370	.14- .07	.055- .01		Mc. C.
12	Do.....				700	707	.15- .08	.055- .01		Mc. C.
13	Do.....		2,000	2,670		2,500				C.
14	Do.....		712	750		675	.15- .08	.055- .01		Mc. C.
15	Do.....		1,000	1,100		1,110	.14- .07	.055- .01		Mc. C.
16	Do.....				675	470	.14- .07	.055- .01		Mc. C.
17	Do.....		300	625	225	612	.15- .08	.055- .01		Mc. C.
18	Do.....		1,112	1,870		1,350	.14- .07	.055- .01		Mc. C.
19	Do.....		350	450	900	1,275	.15- .08	.055- .01		Mc. C.
20	Do.....		4,216	11,700		10,950	.14- .07	.055- .01		Mc. O. C.
21			250	300	225	290				Mc.
22			300	440	400	150				Mc.
23	Private.....		1,350	1,825		2,200	.07	.05		Mc. C.
24	Do.....		816	1,175	450	1,125	.15- .06	.10- .015		M. Mc. C.
25	Do.....		150	110		100	.15- .125			C.
26			350	450		225				M. Mc. C.
27	Private.....		200	200		60	.20- .08	.06- .015		Mc. C.
28			550	290	225	450	.12- .08	.06		C.
29	Private.....		1,060	1,020	300	1,025	.13- .09	.06- .012		M. Mc. C.
30	Do.....						.15- .10	.06- .03		C.
31			400	500		310				Mc. C.
32			300	350		100				Mc.
33	Private.....		175	170		175	.20			Mc. C.
34			600	400		300				Mc.
35					16	6				Mc.
36			200	220		125				Mc.
37	Private.....		250	160		100	.20- .10	.10		Mc. C.
38					60	30				Mc.
39										Mc.
40					38	37				Mc.
41			1,000	650	120	600				Mc.
42	Private.....		100	100		60	.15			Mc. C.
43			125	100		75				Mc.
44					225	300	.06- .04	.045- .0125		C.
45	Private.....		205	165		105				Mc.
46			364	380		200				Mc.
47	Private.....		600	550	500	800	.20- .10	.075- .035		M. Mc. C.
48					200	100				Mc.
49	Private.....		180	165		105	.15	.10		Mc. C.
50			250	130		100				Mc.
51			200	80		60				Mc.
52	Private.....		300	300		175	.15- .12	.10- .06		Mc. C.
53		102	250	275		225				Mc.
54			85	70		72 <sup>1</sup>				Mc.
55			80		120	75				Mc.
56			310	325		275				Mc.
57	Private.....	1,190	300	250		850	.15	.05		Mc. C.
58	Do.....				150	125	.10- .05	.04		C.
59					150	100				M. Mc. C.
60			350	350		175	.20- .05	.10- .05		Mc. C.
61		1,650				1,050				O.
62	Private.....				95	60	.15	.10		Mc. C.
63										Mc.
64	Private.....		250	180		101	.15- .08	.06- .02		C.
65			900	740	450	1,231	.15- .06	.06- .04		Mc. C.
66			825	525		560	.14- .09		Texas Power & Light Co.....	M. Mc.
67	Private.....		180	250		135	.15- .10	.10- .05		Mc. C.
68					50	60				Mc.
69	Private.....		300	390		340	.15- .09	.10- .067		Mc. C.
70	Do.....		2,000	2,350		1,850	.05- .03	.10- .03		M. Mc. C.
71			160	120		100				Mc.
72			(200)	240		100				M. Mc.
73	Private.....		300	200		150			City Light & Water Co.....	C.
74			2,600	4,000		3,850				Mc. M.
75	Private.....		220	100	160	200	.15- .06	.05- .03		C.
76	Do.....		1,100	1,750		1,400	.15- .05	.03		C.
77	Do.....				80	50	.15- .06			C.
78			250	90	60	80				Mc. C.
79			160	80		(50)				Mc.
80			200	140		125				Mc.
81	Private.....		300	325		150	.15- .10	.10- .05		M. Mc. C.
82	Do.....		275	225		150	.15- .10	.09- .04		M. Mc. C.
83	Do.....		425	380		320	.15- .08	.09- .04		M. Mc. C.
84	Do.....		275	300		225	.15- .10	.10- .05		M. Mc. C.



TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
TEXAS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
85	Farmersville Mill & Light Co.	GD	Farmersville	Farmersville	Farmersville	San Marcos River Guadalupe River
86	Fentress Gin Co.	GD	Fentress	Fentress	Fentress	
87	Flach, E., Electric Light Plant.	GD	Comfort	Comfort	Comfort	
88	Flatonia Ice Water & Electric Co.	GD	Flatonia	Flatonia	Flatonia	
89	Forney Water & Ice Co.	GD	Forney	Forney	Forney	
90	Fort Stockton Light & Power Co.	GD	Fort Stockton	Fort Stockton	Fort Stockton	
91	Franklin Water & Light Co.	GD	Franklin	Franklin	Franklin	
92	Fredericksburg Light & Power Co.	GD	Fredericksburg	Fredericksburg	Fredericksburg	
93	Frisco Ice & Light Co.	GD	Frisco	Granberry	Frisco	
94	Freeport Light, Water & Ice Co.	GD	Freeport	Freeport	Freeport	
95	Garrison Light Co.		Garrison	Garrison	Garrison	
96	Gatesville Electric Light & Power Co.	GD	Gatesville	Gatesville	Gatesville	
97	Giddings Cotton Oil Co.	GD	Giddings	Giddings	Giddings	
98	Goldthwaite Light & Ice Co.	GD	Goldthwaite	Goldthwaite	Goldthwaite	
99	Goliad Supply Co.	GD	Goliad	Goliad	Goliad	
100	Gollihar, C., Light Plant.	GD	Whitney	Whitney	Whitney	
101	Graham Electric Co.	GD	Graham	Graham	Graham	
102	Granbury Water, Ice, Light & Power Co.	GD	Granbury	Granbury	Granbury	
103	Grand Saline Electric Co.	GD	Grand Saline	Grand Saline	Grand Saline	
104	Granger Oil Mill.	GD	Granger	Granger	Granger	
105	Grapevine Light & Ice Co.	GD	Grapevine	Grapevine	Grapevine	
106	Groesbeck Electric Co.	GD	Groesbeck	Groesbeck	Groesbeck	
107	Groveton Light & Ice Co.	GD	Groveton	Groveton	Groveton	
108	Haff & Harris	GD	Comanche	Comanche	Comanche	
109	Hamilton Light & Power Co.	GD	Hamilton	Hamilton	Hamilton	
110	Haskell Ice & Light Co.	GD	Haskell and Rule	Haskell	Haskell	
111	Hempstead Light & Power Co.	GD	Hempstead	Hempstead	Hempstead	
112	Henderson Cotton Oil & Gin Co.	GD	Henderson	Henderson	Henderson	
113	Hereford Electric Light & Power Co.	GD	Hereford	Hereford	Hereford	
114	Home Light & Power Co.	GD	Mart and Riesel	Mart	Mart	
115	Home Light & Power Co. (Canuteson)	D	Moody	Moody	Moody	
116	Home Light, Water & Ice Co.	GD	Blooming Grove	Blooming Grove	Blooming Grove	
117	Hondo Light, Power & Ice Co.	GD	Hondo	Hondo	Hondo	
118	Honey Grove Ice & Electric Co.	GD	Honey Grove	Honey Grove	Honey Grove	
119	Humble Water, Light & Ice Co.	GD	Humble	Humble	Humble	
120	Huntsville Electric Light & Power Co.	GD	Huntsville	Huntsville	Huntsville	
121	Ice, Water & Light Co.	GD	Midlothian	Midlothian	Midlothian	
122	Interstate Electric Corporation.	H				
123	San Angelo Water, Light & Power Co.	GD	San Angelo	San Angelo	San Angelo	
124	Jacksboro Ice & Light Co.	GD	Jacksboro	Jacksboro	Jacksboro	
125	Jacksonville Ice & Electric Co.	GD	Jacksonville	Jacksonville	Jacksonville	
126	Jefferson Ice & Light Co.	GD	Jefferson	Jefferson	Jefferson	
127	Johnson Gin & Electric Co.	GD	Wills Point	Wills Point	Wills Point	
128	Jeanes, E. F., Gin Co.	GD	San Augustine	San Augustine	San Augustine	
129	Kaufman Electric Light Co.	GD	Kaufman	Kaufman	Kaufman	
130	Kemp Electric Light Co.	GD	Kemp	Kemp	Kemp	
131	Kenedy Electric Light Co.	GD	Kenedy	Kenedy	Kenedy	
132	Kerens Electric Light & Power Co.	D	Kerens	Kerens	Kerens	
133	Kerrville Electric Light, Heat & Power Co.	GD	Kerrville	Kerrville	Kerrville	
134	Killough, J. H.	GD	La Grange	La Grange	La Grange	
135	Ladonia Electric Co.	GD	Ladonia	Ladonia	Ladonia	
136	Lampasas Light & Power Co.	GD	Lampasas	Lampasas	Lampasas	
137	Landa Electric Light & Power Co.	GD	New Braunfels	New Braunfels	New Braunfels	
138	Laporte Water, Light & Ice Co.	GD	La Porte	La Porte	La Porte	
139	Laredo Electric & Railway Co. (The)	GD	Laredo and Nueva Laredo	Laredo	Laredo	
140	Lasater, Ed. C., Power Co.	GD	Falfurrias	Falfurrias	Falfurrias	
141	Lewisville Light & Power Co.	GD	Lewisville	Lewisville	Lewisville	
142	Light & Power Co.	D	Sourlake and Saratoga	Sourlake	Sourlake	
143	Livingston Manufacturing Co.	GD	Livingston	Livingston	Livingston	
144	Llano Milling & Manufacturing Co.	GD	Llano	Llano	Llano	
145	Lockney Light & Power Co.	GD	Lockney	Lockney	Lockney	Llano River
146	Lott Electric Co.	GD	Lott	Lott	Lott	
147	Lubbock Light & Ice Co.	GD	Lubbock	Lubbock	Lubbock	
148	Lufkin Electric Light & Power Co.	GD	Lufkin	Lufkin	Lufkin	
149	Luling Electric Light & Power Co.	GD	Luling	Luling	Luling	
150	McGregor Water & Light Co.	GD	McGregor	McGregor	McGregor	
151	McKinney Ice, Light & Coal Co.	GD	McKinney	McKinney	McKinney	
152	McLelland & Son Light Plant.	D	Thornton	Thornton	Thornton	
153	Malone Ice & Light Co.	GD	Plainview	Plainview	Plainview	
154	Marble Falls Water & Power Co.	GD				
155	(Lessor, M. M. Berry)	L	Marble Falls	Marble Falls	Marble Falls	Colorado River
156	Marfa Electric Light & Ice Co.	GD	Marfa	Marfa	Marfa	
157	Marlin Ice & Electric Light Co.	GD	Marlin	Marlin	Marlin	
158	Mason Ice & Power Co.	GD	Mason	Mason	Mason	
159	Memphis Ice & Electric Co.	GD	Memphis	Memphis	Memphis	
160	Midland Light & Ice Co.	GD	Midland	Midland	Midland	
161	Mineola Ice, Light & Water Co.	GD	Mineola	Mineola	Mineola	
162	Mineral Wells Electric Co.	GTD	Mineral Wells	Mineral Wells	Mineral Wells	
163	Mount Vernon Electric Light Co.	GD	Mount Vernon	Mount Vernon	Mount Vernon	
164	Nance, J. D.	GD	Troup	Troup	Troup	
165	Navasota Ice, Light, Power & Water Co.	GD	Navasota	Navasota	Navasota	
166	Nocona Ice & Light Co.	GD	Nocona	Nocona	Nocona	
167	Northern Texas Utilities Co.	GD	Bowie	Bowie	Bowie	
168	Do.	GD	Carthage	Carthage	Carthage	
169	Do.	GD	Clifton	Clifton	Clifton	
170	Do.	GD	Henrietta	Henrietta	Henrietta	
	Do.	GD	Royse City	Royse City	Royse City	
	Orange Ice, Light & Water Co.	GD	Orange	Orange	Orange	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## TEXAS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
85			300	150		100				Mc.
86		100	275	175		16				Mc. C.
87		110	125	90		30				Mc. O.
88	Private		100	75		50	\$0.20 - \$0.125	\$0.125		Mc. C.
89			200	80		50				Mc. C.
90	Private		300	140		100	.18 - .15			Mc. C.
91			(50)	60		20				Mc.
92			80	60		30				Mc.
93			180	175		75	.15			Mc.
94			700	300		250	.15 - .09			Mc. C.
95	Private		60	45		30				C.
96					75	75				Mc.
97			85	75		26	.16			Mc. C.
98			100	90		65	.20			Mc. C.
99	Private		180	75	55	87½	.15 - .125	.06		Mc. C.
100			60	60		45				Mc.
101			100	90		80	.20 - .10	\$0.10 - .04		Mc. C.
102	Private		205	120		60	.15			C.
103			145	120		140				Mc.
104			460	125		75				Mc.
105			120		25	20				Mc.
106			75	60		50				Mc.
107			200	200		100				Mc.
108	Private		250	150		200	.15			Mc. C.
109			125	100		41				Mc.
110	Private		200	150		100	.19			Mc. C.
111			80	45	80	30			Hempstead Oil Mill	Mc.
112	Private		225	400		150	.20			Mc. C.
113	Do		150	125		160	.15	.15		Mc. C.
114	Do		540	475	100	475	.15 - .10	.075- .05		Mc. C.
115									Texas Power & Light Co.	Mc.
116					60	37.4				Mc.
117	Private		150	100		42½				Mc. C.
118			240	250	50	200				Mc.
119			130	85		160				Mc.
120	Private		350	290		205	.15 - .10	.125- .10		Mc. C.
121					100	50	.18 - .13	.08 - .05		Mc. C.
122	Private		750	1,100		750	.15 - .06	.10 - .04		Mc. C.
123					(100)	60				Mc.
124	Private		450	240	250	555	.20	.07 - .04		Mc. C.
125			200	200		60				Mc.
126			150	200		180				M. Mc.
127					225	225				Mc.
128			200	175		150	.20 - .10	.08 - .05		Mc. C.
129					32	17½				Mc.
130					50	37½				Mc.
131									Corsicana Gas & Electric Co.	Mc.
132			125	108		75				Mc.
133			200	200		150	.15 - .08			Mc. C.
134					62	50				Mc.
135	Private		225	305		155				Mc. C.
136	Private	700		150	300	875	.175- .06	.05 - .026		Mc. C.
137					150	90				Mc.
138			1,100	1,100	800	1,350	.15			C.
139	Private		200	270	18	57½	.20	.10		Mc. C.
140					25	25				Mc.
141										Mc.
142			30	70	20	35				Mc.
143	Private	180	200	125		175	.20	.10		Mc. C.
144					40	30				Mc.
145	Private		70	35	25	20	.18	.12		C.
146			250	350		75	.20			Mc.
147			300	375		250				Mc.
148		170	60	275		90				Mc.
149					240	205				Mc.
150			350	250		335	.10	.05		Mc. C.
151										Mc.
152			300	350		125				Mc.
153	Private	165				100	.20	.20		C.
154	Do				130	90	.20			Mc. C.
155			500	550		350				Mc.
156			70	70		30	.20			Mc. C.
157			200	250		150	.15	.10 - .05		Mc. C.
158					150	75				Mc.
159	Private		250	125	90	150	.15 - .06			Mc. C.
160			750	1,150		825				Mc.
161	Private		100	75		50	.15			C.
162					25	20	.20 - .15	.10		Mc. C.
163			550	190	225	360	.15 - .10	.10 - .075		Mc. C.
164	Private		100	60		75	.20 - .125	.125- .07		Mc. C.
165			100	170		135				Mc.
166			300	300		200				Mc.
167			125	150		110				Mc.
168					150	125				Mc.
169					70	25				Mc.
170	Private		600	255		255	.15	.06	Yellow Pine Paper Mill Co.	Mc. C.



TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## TEXAS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
171	Orient Consolidated Pure Ice Co.	GD	Hamlin	Hamlin	Hamlin	
172	Ozona Improvement Co.	GD	Ozona	Ozona	Ozona	
173	Pharr Ice, Light & Power Co.	GD	Pharr	Pharr	Pharr	
174	Pagel, Frank, Light Plant	GD	Shiner	Shiner	Shiner	
175	Pearsall Water, Ice & Light Co.	GD	Pearsall	Pearsall	Pearsall	
176	Peoples Light Co.	GD	Corpus Christi	Corpus Christi	Corpus Christi	
177	Pilot Point Ice & Power Co.	GD	Pilot Point	Pilot Point	Pilot Point	
178	Pittman Ice & Electric Co.	GD	Center	Center	Center	
179	Port Lavaca Industrial Co.	GD	Port Lavaca	Port Lavaca	Port Lavaca	
180	Post Power Co.	GTD	Post	Post	Post	
181	Pleasanton Ice & Electric Co.	GD	Pleasanton and North Pleasanton	Pleasanton	Pleasanton	
182	Richmond Electric Light Co.	GD	Richmond	Richmond	Richmond	
183	Riesel Light & Power Co.	GD	Riesel	Riesel	Riesel	
184	Rockdale Water & Light Co.	GD	Rockdale	Rockdale	Rockdale	
185	Rockport Ice & Light Co.	GD	Rockport	Rockport	Rockport	
186	Rosebud Ice & Electric Light Co.	GD	Rosebud	Rosebud	Rosebud	
187	Rotan Water & Light Co.	GD	Rotan	Rotan	Rotan	
188	Rucker, C. L., Electric Light Plant	GD	Crowell	Crowell	Crowell	
189	Sabinal Water & Ice Co.	GD	Sabinal	Sabinal	Sabinal	
190	San Augustine Light & Power Co.	D	San Augustine	San Augustine	San Augustine	
191	San Benito Land & Water Co.	GD	San Benito	San Benito	San Benito	
192	San Marcos Utilities Co.	GD	San Marcos	San Marcos	San Marcos	San Marcos River
193	San Saba Light & Ice Co.	GD	San Saba	San Saba	San Saba	
194	Schulenburg Light & Power Co.	GD	Schulenburg	Schulenburg	Schulenburg	
195	Sealy Cotton Co.	GD	Sealy	Sealy	Sealy	
196	Seymour Mill Electric & Light Co.	GD	Seymour	Seymour	Seymour	
197	Smith, A. H., Electric Light Plant	GD	Martindale	Martindale	Martindale	San Marcos River
198	Smithville Electric Light, Water & Power Co.	GD	Smithville	Smithville	Smithville	
199	Snyder Ice & Light Co.	GD	Snyder	Snyder	Snyder	
200	Somerville Electric Light Co.	D	Somerville	Somerville	Somerville	
201	Southern Utilities Co.	GD	Lockhart	Lockhart	Lockhart	
202	Southwestern Cities Electric Co.	H				
203	Chillicothe Light & Power Co.	GD	Chillicothe and Quanah	Chillicothe	Chillicothe	
204	Quanah Light & Ice Co.	GD	do	Quanah	Quanah	
205	Spur Light & Power Co.	GD	Spur	Spur	Spur	
206	Stamford Gas & Electric Co.	GD	Stamford	Stamford	Stamford	
207	Standard Realty Co.	D	Marble Falls	Marble Falls	Marble Falls	
208	Stephenville Light & Water Co.	GD	Stephenville	Stephenville	Stephenville	
209	Stone and Webster	M				
210	Arlington Light & Power Co.	D	Arlington	Arlington	Arlington	
211	Beaumont Electric Light & Power Co.	GD	Beaumont	Beaumont	Beaumont	
212	Dallas Electric Light & Power Co.	GD	Dallas	Dallas	Dallas	
213	El Paso Electric Co.	GTD	El Paso and Juarez, Mexico	El Paso	El Paso	
214	El Paso Electric Ry. Co.	GTD	El Paso	do	do	
215	Galveston Electric Co.	GTD	Galveston	Galveston	Galveston	
216	Galveston-Houston Electric Ry. Co.	GD	League City	League City	League City	
217	Northern Texas Electric Co.	GD	Dallas and Tarrant Counties	Handley	Handley	
218	Port Arthur Light & Power Co.	GD	Port Arthur	Port Arthur	Port Arthur	
219	Tarrant County Traction Co.	D	Burleson	Burleson	Burleson	
220	Teague Electric Light & Power Co.	GD	Teague	Teague	Teague	
221	Terrell Electric Light Co.	GD	Terrell	Terrell	Terrell	
222	Texas City Electric Light & Water Co.	GD	Texas City	Texas City	Texas City	
223	Texas Pacific Mercantile & Manufacturing Co.	D	Thurber	Thurber	Thurber	
224	Texas Southern Electric Co.	GD	Beeville	Beeville	Beeville	
225	Do	GD	Bishop	Bishop	Bishop	
226	Do	GD	Cuero	Cuero	Cuero	
227	Do	GD	Kingsville	Kingsville	Kingsville	
228	Do	GD	Victoria	Victoria	Victoria	
229	Timpson Light & Power Co.	GD	Timpson	Timpson	Timpson	
230	Toyah Electric Light Co.	GD	Toyah	Toyah	Toyah	
231	Trego, C. H., Ice & Electric Light Plant	GD	Palacios	Palacios	Palacios	
232	Trinity Power Co.	D	Trinity	Trinity	Trinity	
233	Union Central Light & Ice Co.	GD	Hubbard	Hubbard	Hubbard	
234	United Gas & Electric Corporation	H				
235	Houston Lighting & Power Co.	GD	Harris County	Houston	Houston	
236	Uvalde Electric Light Co.	GD	Uvalde	Uvalde	Uvalde	
237	Venus Light & Water Co.	GD	Venus	Venus	Venus	
238	Weimar Water, Light, Ice & Cold Storage Co.	D	Weimar	Weimar	Weimar	
239	Western Light & Power Co.	GD	Cisco and Sweetwater	Cisco	Cisco	
240	Do	GD	Rising Star	Rising Star	Rising Star	
241	Wharton Ice & Power Co.	GD	Wharton	Wharton	Wharton	
242	Whitewright Electric Co.	GD	Whitewright	Whitewright	Whitewright	
243	Wilcox Light & Power Co.	D	Collin, Grayson, and Dallas Counties			
244	Winsboro Cotton Oil Co.	GD	Winsboro	Winsboro	Winsboro	
245	Wolfe City Light Co.	GD	Wolfe City	Wolfe City	Wolfe City	
246	Wortham Light Co.	GD	Wortham	Wortham	Wortham	
247	Winters Light & Milling Co.	GD	Winters	Winters	Winters	
248	Yoakum Power, Light & Water Co.	GD	Yoakum	Yoakum	Yoakum	
249	Yorktown Light & Ice Co.	GD	Yorktown	Yorktown	Yorktown	
250	Yellow Pine Paper Mill Co.	G	Orange	Orange	Orange	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## TEXAS—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
171			250			30				Mc.
172					60	30				Mc.
173			300	300		50	\$0.20 - \$0.10	\$0.10 - \$0.06		Mc. C.
174			30	25		45				Mc.
175	Private.....		(100)	100		35				C.
176	Do.....			120	425	375	.15 - .06	.06 - .04		Mc. C.
177	Do.....		(100)	100		60				Mc. C.
178	Do.....		230	225		150	.15 - .10	.10		Mc. C.
179			300	150		125				Mc. C.
180	Private.....		900	1,200		700	.144 - .07	.08 - .03		Mc. C.
181			60	45		37½				Mc.
182	Private.....		195	50	60	75	.20 - .10			Mc. C.
183									Home Light & Power Co.	
184			170	150		75				Mc.
185	Private.....				50	35	.20			Mc. C.
186			350	340		150				Mc.
187	Private.....		100	75		50	.20 - .10	.10 - .05		Mc. C.
188	Do.....				90	50	.20			Mc. C.
189			75	80	100	50				Mc.
190										Mc.
191	Private.....				100	75	.175 - .06	.05 - .045		Mc. C.
192		265	300	200		225	.15 - .10			Mc. C.
193			160	150		130				Mc. C.
194	Private.....		225	175		150	.20	.08		C.
195			250	275		75				Mc.
196			410	190		75	.15 - .10	.10 - .07		Mc. C.
197	Private.....	120	200	100		38				Mc. C.
198	Do.....		300	450		275	.10 - .075	.10 - .05		Mc. C.
199			90	82	152	105				Mc.
200										Mc.
201	Private.....		300	175		85	.20 - .10			Mc. C.
202										M. Mc.
203			300	450		240				Mc.
204			80	65		30				Mc.
205			250	350		230				Mc.
206										Mc.
207			250	225	100	200				Mc.
208							.15 - .10	.07 - .05	Northern Texas Traction Co.	Mc. C.
209	Private.....		2,200	4,833	450	4,000	.15 - .06	.07 - .04		M. Mc. C.
210			9,390	29,723		18,300				M. Mc. C.
211			1,000	2,250		2,200				M. Mc.
212			5,270	8,219		5,800				Mc.
213			1,444	1,766		1,975				M. Mc.
214			1,560	4,000		3,000				M. Mc.
215	Private.....		5,320	14,922		10,800			Dallas Electric Light & Power Co.	M. Mc. C.
216			1,500	2,400		1,800				M. Mc. C.
217	Private.....						.135 - .075	.045 - .03	Northern Texas Traction Co.	Mc. C.
218			175	160	150	205				Mc.
219	Private.....		300	350		620	.15 - .07	.06 - .03		Mc. C.
220	Do.....		1,000	1,450		1,450	.12 - .08	.08 - .03		Mc. C.
221										Mc.
222			300	300		120				Mc.
223			123	128	24	110				Mc.
224		1,800	500	500		950				Mc.
225			200		100	475				Mc.
226			1,000	500		800				Mc.
227			80	80	40	97½				Mc.
228					40	25	.225 - .16			Mc. C.
229	Private.....		225	60	60	90	.15 - .12			Mc. C.
230	Do.....						.15	.10	Thompson Bros. Lumber Co.	C.
231	Do.....		350	350		202	.15	.15		M. Mc. C.
232	Do.....		4,450	15,500		13,575	.09 - .05	.05 - .025		C.
233	Do.....		250	250		75				Mc. C.
234					45	27	.15			Mc. C.
235										Mc.
236			180	215		125				Mc.
237			100	75		25				Mc.
238			300	270	50	230				Mc.
239			100	150		120	.15			Mc. C.
240									Texas Traction Co.	Mc.
241	Private.....		240	318		160	.15 - .10	.10		Mc. C.
242	Do.....		(100)	125		60	.15 - .10	.06 - .045		Mc. C.
243			100	63		132				Mc.
244	Private.....				110	67½	.20			Mc. C.
245			400	800		350				Mc.
246			300	125	70	135				Mc.
247			(2,700)	3,000		2,700		.015		C.
Total, A.....		6,552	114,618	190,105	13,347	157,450				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## UTAH.

## A.—PUBLIC UTILITY PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	Beaver River Power Co.....	GTD....	Newhouse, Milford, and Sevier Valley.	Beaver River.....	S. 24, T. 29 S., R. 6 W.	Beaver River.....
2	Bennion, Hyrum, & Sons Co.....	GD.....	Taylorville and Bennion....	Bennion's.....	Taylorville.....	Jordan River.....
3	Big Springs Electric Co.....	GD.....	Fountain Green and Moroni....	Big Springs.....	S. 36, T. 13 S., R. 2 E..	Big Springs Creek.....
4	Bountiful Light & Power Co.....	D.....	Bountiful and vicinity.....	Bountiful.....	S. 13, T. 36 S., R. 11 W.	Coal Creek.....
5	Cedar Electric Co.....	D.....	Cedar City.....	Cedar City.....	S. 33, T. 3 S., R. 4 W..	Settlement Creek.....
6	Clark Electric Power Co.....	GD.....	Tooele, Ophir, and Grantsville.	Tooele.....	S. 33, T. 3 S., R. 4 W..	Settlement Creek.....
7	Coalville Electric Light Co.....	D.....	Coalville.....	Coalville.....		
8	Como Light & Power Co.....	GD.....	Morgan and vicinity.....	Morgan.....		
9	Electric Power & Milling Co.....	GD.....	Orangeville and Castledale..	Orangeville.....		
0	Elgin Power & Light Co.....	D.....	Elgin.....	Elgin.....		
11	Nunn, L. L.....	HGTD..	Sevier Valley.....	Gunnison.....	S. 3, T. 19 S., R. 2 E..	Six Mile Creek.....
12	Do.....			Lower Fish Creek.....	S. 28, T. 26 S., R. 5 W..	Fish Creek.....
13	Do.....			Sevier.....	S. 32, T. 25 S., R. 4 W..	
14	Do.....			Upper Fish Creek.....	S. 8, T. 27 S., R. 5 W..	Fish Creek.....
15	Richfield Electric Light & Power Co.....	D.....	Richfield.....			
16	Perry Electric Light & Power Co.....	D.....	Perry.....			
17	Progress Co., The.....	GTD....	Murray, Midvale, Jordan, and Winder.	Kundsen.....	S. 23, T. 2 S., R. 1 E..	Big Cottonwood.....
18	Do.....	GTD....	Wilford and vicinity.....	State Street.....	S. 8, T. 2 S., R. 1 E..	do.....
19	Spring City Light & Milling Co.....	GD.....	Spring City.....	Spring City.....	S. 2, T. 16 S., R. 4 E..	Oak Creek.....
20	Swan Creek Electric Co.....	GD.....	St. Charles, Fishhaven, and vicinity.	Swan Creek.....	S. 6, T. 14 N., R. 5 E..	Swan Creek.....
21	United States Reclamation Service.....	GT.....	Spanish Fork, Salem, and Payson.	Spanish Fork.....	S. 35, T. 8 S., R. 3 E..	Spanish Fork.....
22	Utah Securities Corporation.....	H.....				
23	Utah Light & Traction Co.....	GTD....	Northern Utah, southwestern Idaho.	Devils Gate.....	Weber Canyon.....	Weber River.....
24	Do.....			Jordan Street.....	Salt Lake City.....	
25	Do.....			Ogden.....	Ogden.....	Ogden River.....
26	Do.....			Granite.....	S. 25, T. 2 S., R. 1 E..	Big Cottonwood.....
27	Do.....			Stairs.....	S. 30, T. 2 S., R. 2 E..	do.....
28	Do.....			Alpine.....	S. 8, T. 4 S., R. 2 E..	Dry Creek.....
29	Do.....			Lower American Fork.....	S. 32, T. 4 S., R. 2 E..	American Fork.....
30	Do.....			Upper American Fork.....	S. 28, T. 4 S., R. 2 E..	do.....
31	Do.....			Battle Creek.....	S. 22, T. 5 S., R. 2 E..	Battle Creek.....
32	Do.....			Collinston.....	S. 23, T. 13 N., R. 2 W..	Bear River.....
33	Do.....			Davis.....	S. 17, T. 3 N., R. 1 E..	Farmington Creek.....
34	Do.....			Farmington.....	Farmington.....	
35	Do.....			Jordan Narrows.....	S. 15, T. 4 S., R. 1 W..	Jordan River.....
36	Do.....			Logan.....	S. 36, T. 12 N., R. 1 E..	Logan River.....
37	Do.....			Murdock.....	S. 32, T. 2 S., R. 5 E..	Provo River.....
38	Do.....			Upper Mill Creek.....	S. 27, T. 1 S., R. 2 E..	Mill Creek.....
39	Do.....			Lower Mill Creek.....	S. 36, T. 1 S., R. 1 E..	do.....
40	Do.....			Olmstead.....	S. 7, T. 6 S., R. 3 E..	Provo River.....
41	Do.....			Park City.....	S. 24, T. 2 S., R. 4 E..	Ontario Tunnel.....
42	Do.....			Riverdale.....	S. 19, T. 5 N., R. 1 W..	Weber River.....
43	Do.....			Santaquin.....	S. 13, T. 10 S., R. 1 E..	Santaquin Creek.....
44	Do.....			Snake Creek.....	S. 21, T. 3 S., R. 4 E..	Snake Creek.....
45	(Lessor, Browning & Eccles Power Co.).....	L.....	do.....	Hyrum.....	S. 11, T. 10 N., R. 1 E..	Blacksmith Fork.....
46	(Lessor, Utah Copper Co.).....	L.....	do.....	Willard.....	S. 23, T. 8 N., R. 2 W..	Willard Creek.....
47	Vernal Milling & Light Co.....	GD.....	Vernal.....	Vernal.....	S. 7, T. 3 S., R. 21 E..	Ashley Creek.....
48	Wasatch Mines Co.....	GD.....	Alta.....	Alta.....	S. 12, T. 2 S., R. 2 E..	Little Cottonwood Creek.....

## B.—MUNICIPAL PLANTS.

49	GD.....	Beaver.....	Beaver.....	S. 14, T. 29 S., R. 7 W.	Beaver River.....
50	GD.....	Brigham.....	Brigham.....	S. 20, T. 9 N., R. 1 W..	Box Elder Creek.....
51	GD.....	Ephraim.....	Ephraim.....	S. 13, T. 17 S., R. 3 E..	Cottonwood Creek.....
52	GD.....	Fairview.....	Fairview.....	S. 32, T. 13 S., R. 5 E..	Cottonwood.....
53	D.....	Farmington.....	Farmington.....		
54	GD.....	Heber, Midway, and Charleston.	Heber.....	S. 7, T. 3 S., R. 5 E..	Provo River.....
55	GD.....	Helper.....	Helper.....	T. 12 S., R. 9 E.....	Price River.....
56	GD.....	Hyrum.....	Hyrum.....	S. 2, T. 10 N., R. 1 E..	Blacksmith Fork.....
57	D.....	Kaysville.....	Kaysville.....		
58	GD.....	Logan.....	Logan.....	S. 29, T. 12 N., R. 2 E..	Logan River.....
59	GD.....	Manti.....	Manti.....	S. 8, T. 18 S., R. 2 E..	Manti Creek.....
60	GD.....	Monroe.....	Monroe.....	S. 22, T. 25 S., R. 3 W..	Monroe Creek.....
61	GD.....	Mount Pleasant.....	Mount Pleasant.....	T. 15 S., R. 5 E.....	Pleasant Creek.....
62	GD.....	Murray.....	Murray.....		Little Cottonwood.....
63	GD.....	Nephi.....	Nephi.....	S. 2, T. 13 S., R. 1 E..	Salt Creek.....
64	GD.....	Parowan and Paragoona....	Parowan.....	S. 24, T. 34 S., R. 9 W..	Center Creek.....
65	GD.....	Price.....	Price.....		
66	D.....	Spanish Fork.....	Spanish Fork.....		
67	GD.....	Springville.....	Springville.....	S. 6, T. 8 S., R. 4 E..	Hobble Creek.....
68	GD.....	St. George.....	St. George.....	S. 30, T. 41 S., R. 15 W..	Cottonwood Creek.....
69	GD.....	State University.....	Utah State.....	S. 36, T. 12 N., R. 1 E..	Logan River.....
70	D.....	Wellsville.....	Wellsville.....		



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## UTAH.

## A—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
1	Forest.....	2,500				2,000		<sup>a</sup> \$120.00		F. Mc. M.
2	Private.....	100				75	\$0.10	\$0.08- .02		Mc. C.
3	Do.....	260				200	.07	.07- .01		Mc. C.
4	Do.....						.125	.025	Utah Power & Light Co.....	Mc. C.
5	Do.....	125				90	.09	.05		C.
6	Do.....	250	210	150		250	.10	18.00- .025	Utah Power & Light Co.....	Mc. C.
7										Mc.
8		500				200				Mc. M.
9		125				50				Mc.
10										Mc.
11	Private.....	550				300			Beaver River Power Co.....	F.
12	Forest.....	(580)				355			do.....	F.
13	Private.....		300	(420)		250			do.....	F. C.
14	Forest.....	(420)				250			do.....	F.
15									do.....	F. Mc.
16										
17	Private.....	200				150	\$0.10- .05	.08- .007	Brigham City Plant..... Utah Power & Light Co.....	Mc. C. C. Mc.
18	Do.....	200				75	.10- .05	.08- .007	do.....	C. Mc.
19	Forest.....	22				30	.07			F.O. Mc.C.
20	Private.....	125				75				F.
21	Public.....	1,200				1,000	.03	.008		C.
22	Do.....	5,000				2,500			Utah Power & Light Co.....	C. Mc.
23	Private.....		7,200	16,000		12,000				C. Mc. F.
24	Do.....	10,600				6,500				C. Mc. F.
25	Forest.....	2,400				1,500				C. Mc. F.
26	Do.....	2,400				1,800				C. Mc. F.
27	Do.....	3,000				1,750			Utah Light & Traction Co.....	C. F. Mc.
28	Do.....	1,274				950				C. F. Mc.
29	Do.....	1,610				1,200				C. F. Mc.
30	Do.....	4,000				2,400				C. F. Mc.
31	Private.....	12,300				7,125				C. Mc.
32	Do.....	537				312				C. F. Mc.
33	Do.....		1,206	1,200		400				C. F. Mc.
34	Do.....	1,344				1,000				C. Mc.
35	Forest.....	3,000				2,000				C. F. Mc.
36	Private.....	3,300				2,500				C. Mc.
37	Forest.....	650				300				C. F. Mc.
38	Do.....	2,600				1,400				C. F. Mc.
39	Private.....	10,800				7,200				C. Mc.
40		300				125				C. Mc.
41	Private.....	5,750				3,750				C. Mc.
42	National Forest.....	1,700				880				C. F. Mc.
43	Private.....	2,000				1,180				C. Mc.
44	Public.....	4,300				2,500				C. F. Mc.
45	Do.....	700				350				C. Mc.
46	Private.....		8,380	11,394		8,500				C. Mc.
47	Public.....	350				250	.09			F. Mc.
48	Forest.....	800				600				C. F.
Total, A.....		87,872	17,296	29,164		76,322				

## B—MUNICIPAL PLANTS.

49	Private.....	200				90	\$0.07			F. L. Mc. C.
50	Do.....	1,200				750	.05	\$0.02		C. Mc.
51	Forest.....	300				150				F. Mc.
52	Private.....	126				75	.07	.07		F. Mc.
53									Utah Power & Light Co.....	Mc.
54	Private.....	1,280				600	.08	.05		Mc. F. L. C.
55	Do.....	250	250	250		150	\$0.11- .09			F. L. C.
56	Do.....	174				100				F. L. C.
57									Utah Power & Light Co.....	Mc. C.
58	Forest.....	800				500				F. Mc.
59	Do.....	100				150	.07	<sup>a</sup> 12.00		F. Mc.
60	Private.....	100				80	.10- .04	\$0.06- .04		F. C.
61	Government.....	275				185	.07	24.00		Mc. O. L. C.
62		1,200				800				Mc.
63	Private.....	250				150	.07	.07- .03		Mc. O. L. C.
64	Government.....	86				60	.07			O. L. C.
65			400	400		372	.10- .07	.035		Mc. C.
66									United States Reclamation Service.	Mc.
67	Forest.....	150				100	.08			Mc. F. O. C.
68	Public.....	60				45	.10	.06- .04		Mc. F. O. C.
69	Private.....	600				400				F. L.
70									Utah Power & Light Co.....	Mc.
Total, B.....		7,151	650	650		4,757				

<sup>1</sup> Horsepower-year.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
UTAH—Continued.  
C.—ALL OTHER PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
71	Consolidated Fuel Co.....	G.....	Mining.....	Hiawatha.....	S. 27, T. 15 S., R. 8 E.	.....
72	Michigan-Utah Mining Co.....	.....	do.....	Alta.....	S. 11, T. 3 S., R. 2 E.	Little Cottonwood Creek.
73	Ophir Hill Consolidated Mining Co.....	G.....	do.....	Ophir.....	S. 28, T. 5 S., R. 4 W.	Ophir Creek.....
74	Do.....	G.....	do.....	South Willow Creek.....	S. 27, T. 3 S., R. 6 W.	South Willow Creek.....
75	Sevier-Miller Coalftion Mining Co.....	G.....	do.....	Kimberly.....	S. 34, T. 25 S., R. 4½ W.	Clear Creek.....
76	Skougaard, Charles.....	GD.....	Hotel lighting.....	Fish Lake.....	S. 17, T. 26 S., R. 1 E.	Twin Creek.....

VERMONT.  
A.—PUBLIC UTILITY PLANTS.

1	Allen, William F., Co.....	GD.....	Canaan.....	Canaan.....	Canaan.....	.....
	American Gas Co.....	H.....	.....	.....	.....	.....
2	Burlington Light & Power Co.....	GD.....	Chittenden County.....	Colchester.....	Colchester.....	Winooski River.....
3	Do.....	.....	.....	Essex Junction.....	Essex Junction.....	do.....
	American Pipe & Construction Co.....	H.....	.....	.....	.....	.....
4	Vermont Power & Manufacturing Co.....	GD.....	St. Albans and Fairfax.....	Fairfax Falls.....	Fairfax.....	Lamoille River.....
5	Barnet Electric Light & Power Plant.....	GD.....	Caledonia County, Vt., and Monroe, N. H.	Barnet.....	Barnet.....	Stevens River.....
	Barstow, W. S., & Co.....	M.....	.....	.....	.....	.....
6	Claremont Power Co.....	GD.....	Claremont.....	Claremont.....	Claremont.....	.....
7	Colonial Power & Light Co.....	GTD.....	Windsor County.....	Cavendish.....	.....	Black River.....
8	Do.....	GTD.....	.....	Manchester.....	.....	Battenkill River.....
9	Rutland Railway, Light & Power Co.....	GTD.....	Bennington and Rutland Counties.	Mendon.....	.....	East Creek.....
10	Do.....			Pittsford.....	Near East Pittsford.....	do.....
11	Do.....			Rutland.....	.....	.....
12	Do.....			West Rutland.....	.....	.....
13	Western Vermont Power & Light Co.....	GD.....	Rutland County, Vt., and Hampton, N. Y.	Carvers Falls.....	Near Fairhaven.....	Poultney River.....
14	Benson, W. E.....	GD.....	Weston.....	Weston.....	Weston.....	Wantastiquet River.....
15	Bradford Electric Lighting Co.....	GD.....	Orange County, Vt., and Grafton County, N. H.	Bradford.....	Bradford.....	Waits River.....
16	Bridgewater Electric Co.....	.....	.....	Woodstock.....	.....	.....
17	Burlington Flouring Co.....	GD.....	.....	Burlington.....	.....	.....
18	Burlington Traction Co.....	T.....	.....	do.....	.....	.....
19	Cavendish Electric Light Co.....	D.....	Cavendish.....	Cavendish.....	.....	.....
20	Chester Water & Light Co.....	D.....	Chester.....	Chester.....	.....	.....
21	Domina Manufacturing Co.....	GD.....	Franklin County.....	Enosburg Falls.....	.....	.....
22	Electric Light & Milling Co.....	D.....	Orleans.....	Orleans.....	.....	.....
23	Glover Electric Light Plant.....	D.....	Glover.....	Glover.....	.....	.....
24	Groton Electric Co.....	GD.....	Groton.....	Groton, No. 1.....	.....	.....
25	Do.....	GD.....	do.....	Groton, No. 2.....	.....	.....
26	Groveton Electric Light Co.....	D.....	Groveton.....	Groveton.....	.....	.....
27	Hortonia Power Co.....	GD.....	Windsor and Orange Counties.	Bethel.....	Bethel.....	White River.....
28	Island Pond Electric Co.....	GD.....	Orleans and Essex Counties.	Island Pond.....	Island Pond.....	.....
29	Do.....	GD.....	do.....	West Charleston.....	West Charleston.....	.....
30	Jones & Lamson Power Co.....	.....	Perkinsville.....	Perkinsville.....	Perkinsville.....	Black River.....
31	Lake Dunmore Power & Traction Co.....	GD.....	Bristol.....	Bristol.....	.....	New Haven River.....
32	Lunenburg Manufacturing Co.....	D.....	.....	Lunenburg.....	.....	.....
33	Lyman Falls Power Co.....	GD.....	Groveton.....	Bloomfield.....	.....	.....
34	McIndoe Falls Electric Light Plant.....	.....	.....	McIndoe Falls.....	.....	.....
	Massachusetts Lighting Cos.....	II.....	.....	.....	.....	.....
35	Stamford Light, Heat & Power Co.....	D.....	Stamford.....	Stamford.....	.....	.....
36	Middlebury Electric Co.....	GD.....	Middlebury.....	Middlebury.....	.....	.....
	Middle West Utilities Co.....	H.....	.....	.....	.....	.....
37	Twin State Gas & Electric Co.....	GD.....	Bennington County.....	Bennington.....	Bennington.....	Roaring Branch, Walloomsac River.
38	Do.....	GD.....	Essex and Caledonia Counties.	St. Johnsbury.....	.....	.....
39	Do.....	GD.....	Windham County.....	West Dummerston.....	Brattleboro.....	West River.....
40	Neshobe Electric Co.....	GD.....	Brandon.....	Brandon.....	Brandon.....	.....
	New England Power Co. of Maine.....	H.....	.....	.....	.....	.....
41	Bellows Falls Electric Co.....	GTD.....	Fall Mountain Electric Co., Southeastern Vermont, southwestern New Hampshire, northern Rhode Island, and Massachusetts.	Bellows Falls.....	Bellows Falls.....	Connecticut River.....
42	Connecticut River Power Co.....	GD.....	.....	Vernon.....	Vernon.....	do.....
43	Fall Mountain Electric Co.....	GD.....	Windham County.....	Bellows Falls.....	Westminster.....	Saxton River.....
44	Do.....	GD.....	do.....	do.....	Bellows Falls.....	.....
45	New England Securities Co.....	H.....	.....	.....	.....	.....
	Royalton Power Co.....	GD.....	Windsor and Orange Counties.	South Royalton.....	South Royalton.....	.....
46	Newport Electric Light Co.....	GD.....	Orleans County.....	Derby.....	Derby.....	Clyde River.....
47	North Troy Electric Light & Power Co.....	GD.....	North Troy.....	North Troy.....	.....	.....
48	Reading Light & Power Co.....	D.....	.....	Felchville.....	.....	.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## UTAH—Continued.

## C—ALL OTHER PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
71	Private.....		1,200	1,500		1,050				C.
72	Forest.....	400				(1)				F.
73	Private.....	500				300			Utah Power & Light Co.....	C. F.
74	Forest.....	500				400			do.....	C. F.
75	Private.....	300	300	300		200				C. F.
76	Forest.....	(11)				6½				C. F.
	Total, C.....	1,711	1,500	1,800		1,956				
	Grand total.....	96,734	19,446	31,614		83,035				

## VERMONT.

## A.—PUBLIC UTILITY PLANTS.

1		398				220				P.
2	Private.....	3,000	750	1,330		1,500	\$0.10-\$0.03	\$0.05-\$0.0175		Mc. C.
3	Do.....	10,000				6,000				Mc.M.O.C.
4	Private.....	2,250	575	530		1,050	.12- .06	.07 - .015		Mc. M.
5	Do.....	220			30	236	.05	.03 - .02		Mc.M.P.C.
6		600		1,000	900	(1,690)				Mc. M.
7		2,200				1,500	.11- .08	.07 - .015	Fall Mountain Power Co.....	Mc.
8		65	100	225		305	.15		Rutland Railway, Light & Power Co.	Mc. M. P.
9	Private.....	2,310				1,600	.12- .06	.08 - .022	Pittsford Power Co.....	O.C.
10	Do.....	2,500				2,000				Mc. M. P.
11			2,000	2,500		1,500				C.
12						1,300	.12- .06	.08 - .022	Rutland Railway, Light & Power Co.	P.
13	Private.....	1,300				1,300				Mc.M.P.C.
14										
15	Private.....	360	152	225		390	.20- .03	.05 - .02		P.
16										Mc. P.
17									Burlington Flouring Co.....	P.
18										Mc.
19									Colonial Power & Light Co.....	Mc. M.
20									do.....	Mc. P.
21		200				200				Mc.
22									City of Barton.....	Mc.
23									do.....	Mc.
24		420				75				Mc. P.
25						200				P.
26									Lyman Falls Power Co.....	P.
27	Private.....	400				300	.10	.015		Mc.M.P.C.
28			(100)	150		(90)				P.
29		600				400	.10			Mc. M. P.
30	Private.....	400				300			Colonial Power & Light Co.....	P. C.
31		225	150	150		250	.10- .05	.07 - .02		Mc. P.
32										Mc. P.
33		1,336				1,000				Mc.
34										Mc.
35									North Adams Gas Light Co.....	M.
36		200	175	175		130	.10- .06	.10 - .04		Mc. C.
37	Private.....	288	700	1,000		680	.14- .07	.06 - .02		Mc. P.
38		1,400	302	670		850				Mc.M.P.C.
39	Private.....	300	500	350		300	.10- .06	.08 - .02	Connecticut River Power Co...	Mc.
40		335	150	150		300	.15- .06			Mc. P. C.
41	Private.....	800				800	.01	.01		Mc. P.
42	Do.....	30,000				20,000		.025- .007	Berkshire Street Ry., Worcester Electric Co., Blackstone Valley Gas & Electric Co., Ware Electric Lighting Co.	M. C.
43	Do.....	500				400	.13- .06	.03 - .02	Connecticut River Power Co...	C.
44	Do.....		750	700		700	.13- .06	.03 - .02	do.....	Mc.M.P.C.
45		90	150	125		(80)	.10			Mc.M.P.C.
46	Private.....	1,600	300	300		1,230	.10- .05	.05 - .02		Mc.
47		200			50	(150)	.10- .08			Mc. P. C.
48									Claremont Power Co.....	P.

1 Water plant.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## VERMONT—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
49	Readsboro Chair Manufacturing Co.....	GD.....		Readsboro.....		
50	Readsboro Electric Light Co.....	D.....	Readsboro.....	do.....		
51	Richmond Electric Light & Power Co.....	D.....	Richmond.....	Richmond.....		
52	Robinson & Kingsbury Electric Light Co.....	GD.....		South Londonderry.....		
53	Rochester Electric Light & Power Co.....	GD.....	Rochester.....	Rochester.....		
54	Ryegate Light & Power Co.....	GD.....	Ryegate and Boltonville.....	Boltonville.....	Newbury.....	Wells River.....
55	Smith, W. J.....	GD.....	Sheffield.....	Sheffield.....		
56	Sweat-Comings Co.....	GD.....	Chittenden and Caledonia Counties.	Richford.....	Richford.....	Missisquoi River.....
	Tenney, C. H., & Co.....	M.....				
	(Lessor, Montpelier & Barre Light & Power Co.)	L.....				
57	Consolidated Lighting Co.....	GTD.....	{ Washington and Orange Counties.	Bolton Falls, No. 1.....	Duxbury.....	Winooski River.....
58	Do.....			Corry-Deavitt, No. 4.....	Montpelier.....	do.....
59	Do.....			Corry-Deavitt, No. 5.....	East Montpelier.....	do.....
60	Do.....			Middlesex, No. 2.....	Moretown.....	do.....
	(Lessor, Waterbury Light & Power Co.)	L.....				
61	Consolidated Lighting Co.....	GTD.....	do.....	Moody and Almon, No. 7.....	do.....	Mad River.....
62	Do.....	GTD.....	do.....	Moody and Almon, No. 8.....	do.....	do.....
63	Do.....	GD.....		Steam plant.....		
64	Thompson, Shaw & Co.....	GD.....	Weybridge.....	Weybridge.....		Otter Creek.....
65	Vergennes Electric Co.....	D.....	Vergennes.....	Vergennes.....		
66	Vermont Marble Co.....	GTD.....	Proctor and West Rutland.....	Beldens.....	Beldens.....	Otter Creek.....
67	Do.....			Center Rutland.....	Center Rutland.....	do.....
68	Do.....			Florence.....	Florence.....	
69	Do.....			Huntington Falls.....	Weybridge.....	Otter Creek.....
70	Do.....			Proctor.....	Proctor.....	do.....
71	Do.....			West Rutland.....	West Rutland.....	
72	Vermont Soapstone Co.....	GD.....	Perkinsville.....	Perkinsville.....		
73	White River Electric Co.....	D.....	Randolph.....	Randolph.....		
74	Wilmington Electric Light Co.....	GD.....	Wilmington.....	Wilmington.....	Wilmington.....	
75	Windsor Electric Light Co.....	GD.....	Windsor and Washington Counties.	Windsor, No. 1.....	Windsor.....	
	Woodbury Granite Co.....	H.....				
76	Gayssville Electric Light & Power Co.....	GD.....	Windsor and Orange counties.	Gayssville.....	Gayssville.....	White River.....
77	Do.....		Hardwick.....	Hardwick.....	Hardwick.....	
78	Do.....			do.....	do.....	
79	Woodstock Electric Co.....	GD.....	Windsor County.....	Woodstock.....		Ottawaquechee River.....

## B.—MUNICIPAL PLANTS.

80		GD.....	Orleans County.....	Barton.....	West Charleston.....	Clyde River.....
81		GD.....	Burlington.....	Burlington.....	Burlington.....	
82		GD.....	Enosburg Falls.....	Enosburg Falls.....	Enosburg Falls.....	Missisquoi River.....
83		GD.....	Hardwick and Wolcott.....	Hardwick.....		
84		GD.....	Hyde Park and vicinity.....	Hyde Park.....	Hyde Park.....	Gihon River.....
85		GD.....	Johnson.....	Johnson.....	Johnson.....	do.....
86		GD.....	Windsor County.....	Ludlow.....	Ludlow.....	
87		GD.....	Caledonia County.....	Lyndonville, No. 1.....	Lyndon.....	Passumpsic River.....
88		GD.....	Lamoille County.....	Morrisville.....	Cady's Falls.....	Lamoille River.....
89		D.....	Northfield.....	Northfield.....		
90		D.....	Orleans.....	Orleans.....		
91		GD.....	Swanton and Highgate.....	Swanton.....	Highgate.....	
92		GD.....	Wells River.....	Wells River.....	Wells River.....	Wells River.....

## C.—ALL OTHER PLANTS.

93	American Woolen Co.....			Winooski.....		Winooski River.....
94	Dalton Paper Mills.....			Fitzdale.....		Connecticut River.....
95	Green Mountain Pulp Co.....			Middlebury.....		Otter Creek.....
96	International Paper Co.....		Manufacturing.....	Fall Mountain.....	Bellows Falls.....	Connecticut River.....
97	Do.....		do.....	Milton.....	Milton.....	Lamoille River.....
98	Do.....		do.....	Wilder.....	Wilder.....	Connecticut River.....
99	Missisquoi Pulp Co.....			Sheldon Springs.....	Sheldon.....	Missisquoi River.....
100	Mount Mansfield Electric R. R. Co.....		Electric railway.....	Stowe.....	Stowe.....	
101	Slaton, H. A.....		Milling.....	Morrisville.....	Morrisville.....	Lamoille River.....
102	Springfield Electric Ry. Co.....		Electric railway.....	Goulds Mills.....	Goulds Mills.....	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## VERMONT—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
49										Mc.
50									Readsboro Chair Manufacturing Co.	Mc.
51									Burlington Light & Power Co.	Mc.
52										Mc.
53			80	86		(70)	\$0.12 - \$0.05			P. Mc.
54	Private.....	350				240	.10	\$0.023		Mc. P. C.
55					9	3				Mc.
56	Private.....	492	375	375		400	.10 - .075	\$0.05 - .017		Mc. M. P. C.
										Mc. M.
57	Private.....	3,800				2,100	.10 - .05	.04 - .02	Burlington Light & Power Co.	Mc. M. P. C.
58	Do.....	900	408	670		1,100	.10 - .05	.04 - .02	do.....	Mc. P. C.
59	Do.....	900				637	.10 - .05	.04 - .02	do.....	Mc. O. C.
60	Do.....	2,114	612	1,000		1,850	.10 - .05	.04 - .02	do.....	Mc. C.
61	Do.....	450				300	.10 - .05	.04 - .02	do.....	Mc. C.
62	Do.....	800				500	.10 - .05	.04 - .02	do.....	M. C.
63			(4,000)	(6,700)		4,000				C.
64	Private.....	85				(50)				Mc. C.
65							.12 - .06		Burlington Traction Co.	P. Mc.
66		2,400				2,000				Mc. P. C.
67		300				275				Mc. O. C.
68			900	1,000		800				C.
69		2,400				2,000				C.
70		3,600				3,000	.14 - .05	.06 - .0035	Rutland Railway, Light & Power Co.	Mc. O. C.
71			625	700		700				C.
72		100				50				Mc. P.
73									Gaysville Electric Light & Power Co.	Mc. P.
74			90	105		30				Mc. P.
75		275	275	425		440	.15 - .085	.075		Mc. P.
76		500				300	.10	.015		P. C.
77	Private.....	750				500		.0133	Hardwick.....	Mc. P. C.
78	Do.....		1,500	1,330		1,000		.0133		C.
79		250	200	200		150	.15 - .05			Mc. M. P.
	Total, A.....	84,963	15,919	22,171	989	70,981				

## B.—MUNICIPAL PLANTS.

80	Private.....	950				700	\$0.08 - \$0.012	\$0.035 - \$0.017		Mc. P. C.
81			900	1,740		1,350				Mc. P.
82	Private.....	185				75	.10			Mc. P. C.
83		1,000				600	.06			Mc.
84	Private.....	200				150	.08	.013		Mc. P. C.
85		250				150				Mc. P. C.
86		175	100	90		290	.11	.05		Mc. P.
87		900				432	.08	.06 - .014		Mc. P.
88		700				250	.06	.01		Mc. P.
89									Consolidated Lighting Co.	Mc.
90									Barton Electric Light Co.	C.
91		400				300				Mc.
92	Private.....	150				50	.085 - .02	.06 - .02		Mc. C.
	Total, B.....	4,910	1,000	1,830		4,347				

## C.—ALL OTHER PLANTS.

93		2,844								M. O.
94		2,103								O.
95		1,700								O.
96	Private.....	7,700	3,500	1,200		320			Fall Mountain Electric Co.	M. O. C.
97	Do.....	3,000	400	25		75				O. C.
98	Do.....	5,900	1,300	700		1,295				O. C.
99		4,400	450	200		150				O. C.
100			300	400		100				Mc.
101	Private.....	369								C.
102			375	450		400				Mc.
	Total, C.....	28,016	6,325	2,975		2,340				
	Grand total.....	117,889	23,244	26,976	989	77,668				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## VIRGINIA.

## A.—PUBLIC UTILITY PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
1	Abingdon Water & Light Co.....	GD.....	Abingdon.....	Abingdon.....	Abingdon.....	
2	American Railways Co.....	H.....				
3	Lynchburg Traction & Light Co.....	GTD.....	Lynchburg.....	Lynchburg.....	Lynchburg.....	
4	Do.....	GTD.....	do.....	do.....	Near Lynchburg.....	James River.....
5	Roanoke Railway & Electric Co.....	GTD.....	Roanoke.....	Roanoke.....	Roanoke.....	
6	Do.....	GTD.....	Salem and Vinton.....	do.....	Roanoke County.....	Roanoke River.....
7	Braddock Light & Power Co.....	D.....	Rosslyn and Fort Myer.....			
8	Byllesby, H. M. & Co.....	M.....				
9	Appalachian Power Co.....	GTD.....	{ Western Virginia and South-eastern West Virginia.....	New River, No. 2.....		New River.....
10	Do.....			New River, No. 4.....		do.....
11	Do.....			Roanoke.....		
12	Charlottesville & Albemarle Ry. Co.....	GTD.....	Charlottesville.....	Charlottesville.....		
13	Chatham Light & Power Co.....	GD.....	Chatham.....	Chatham.....	Chatham.....	
14	Coeburn Light & Power Co.....	GD.....	Wise County.....	Coeburn.....	Coeburn.....	
15	Cornett Light & Power Co.....	GD.....	Rural Retreat.....	Rural Retreat.....	Rural Retreat.....	
16	Crewe Light & Power Co.....	GD.....	Crewe.....	Crewe.....	Crewe.....	
17	Culpeper Light & Ice Co.....	GD.....	Culpeper.....	Culpeper.....	Culpeper.....	
18	Damascus Light & Power Co.....	GD.....	Damascus.....	Damascus.....		
19	Dillwyn Light, Ice & Preserving Co.....	D.....	Dillwyn.....	Dillwyn.....		
20	Emporia Hydro Electric Power Co.....	GD.....	Emporia.....	Emporia.....	Emporia.....	Meherrin River.....
21	Grundy Light & Power Co.....	GD.....	Grundy.....	Grundy.....	Grundy.....	
22	Houston Electric Light Co.....	GD.....	Houston.....	Houston.....		
23	Ice, Water & Light Co.....	GD.....	Blackstone.....	Blackstone.....	Blackstone.....	
24	Independence Electric & Milling Co.....	GD.....	Independence.....	Independence.....		Perch Bottom Creek.....
25	Leesburg Electric Co.....	GD.....	Leesburg.....	Leesburg.....		
26	Light & Power Co.....	GD.....	Rocky Mount.....	Rocky Mount.....	Rocky Mount.....	Pig River.....
27	Loudoun Light & Power Co.....	GD.....	Purcellville, Hamilton, and Round Hill.....	Purcellville.....	Purcellville.....	
28	Manor, J. D., & Co.....	GD.....	New Market.....	New Market.....		
29	Middle West Utilities Co.....	H.....				
30	Powell Valley Light & Power Co.....	GD.....	Big Stone Gap and Appalachia.....	Big Stone Gap.....	Big Stone Gap.....	
31	Monterey Garage & Light Co.....	GD.....	Monterey.....	Monterey.....	Monterey.....	
32	Municipal Service Co.....	H.....				
33	Alexandria County Lighting Co.....	GD.....	Alexandria and Potomac.....	Alexandria.....	Alexandria.....	
34	Arlington Electric Co.....	D.....	Clarendon, Ballston, and Falls Church.....	Clarendon (Alexandria).....		
35	Riverside Light & Power Co.....	D.....	Waynesboro.....	Waynesboro.....	Waynesboro.....	
36	Staunton Lighting Co.....	GD.....	Staunton and Fisherville.....	Staunton.....	Staunton.....	
37	Narrows Electric Light & Power Co.....	D.....	Narrows.....	Narrows.....		
38	Natural Bridge Co.....	GD.....	Natural Bridge.....	Natural Bridge.....		
39	Newport News & Hampton Railway, Gas & Electric Co.....	GTD.....	Hampton and Phoebus.....	Hampton.....	Hampton.....	
40	Do.....	GTD.....	Newport News and Old Point.....	Newport News.....	Newport News.....	
41	Norfolk Southern Railroad Co.....	GD.....	Norfolk.....	Norfolk.....		
42	North River Electric Co.....	GD.....	Bridgewater and Dayton.....	Bridgewater.....	Bridgewater.....	
43	Norton Light & Power Co.....	H.....				
44	New York Mining & Manufacturing Co.....	GD.....	Norton and Wise.....	Norton.....	Norton.....	
45	Onancock Manufacturing Co.....	GD.....	Onancock.....	Onancock.....	Onancock.....	
46	Peoples' Light, Heat & Power Corporation.....	GD.....	West Point.....	West Point.....	West Point.....	
47	Radford Water Power Co.....	GD.....	Radford, New River, and East Radford.....	Radford.....	Radford.....	
48	Rappahannock Electric Light & Power Co.....	GD.....	Fredericksburg and Fal-mouth.....	Fredericksburg.....	Fredericksburg.....	Rappahannock River.....
49	Rock Springs Electric Co.....	GD.....	Strasburg and Fishers Hill.....	Fishers Hill.....		
50	St. Paul's Normal and Industrial School.....	GD.....	Lawrenceville.....	Lawrenceville.....	Lawrenceville.....	
51	Shenandoah River Light & Power Corporation.....	GD.....	Luray.....	Luray.....	Luray.....	Shenandoah River.....
52	South Boston Electric Light & Power Co.....	GD.....	South Boston.....	South Boston.....		Dan River.....
53	South Hill Manufacturing Co. (Inc.).....	GD.....	South Hill.....	South Hill.....	South Hill.....	
54	Spottsylvania Power Co.....	GD.....				
55	(Lessor, City of Fredericksburg).....	L.....	Fredericksburg.....	Fredericksburg.....		Rappahannock River.....
56	Standard Red Cedar Chest Co.....	H.....				
57	Altavista Light & Power Corporation.....	GD.....	Altavista.....	Altavista.....	Altavista.....	
58	Stanley Milling Co.....	GD.....	Stanleyton.....	Stanleyton.....	Stanleyton.....	
59	Tazewell Street Railway Co.....	H.....				
60	Tazewell Electric Light & Power Co.....	GD.....	Tazewell and North Tazewell.....	Tazewell.....	Tazewell.....	
61	Valley Light & Power Co.....	GD.....	Northern Virginia.....	Woodstock.....		North Fork Shenandoah River.....
62	Virginia Polytechnic Institute.....	GD.....	Blacksburg.....	Blacksburg.....	Blacksburg.....	
63	Virginia Railway & Power Co.....	GTD.....	Norfolk, Portsmouth, and Berkeley.....	Norfolk.....	Norfolk.....	
64	Do.....	GTD.....	Richmond and Petersburg.....	Petersburg.....		Appomattox River.....
65	Do.....	GTD.....	Centralia and Chester.....	Richmond.....		James River.....
66	Do.....	GTD.....	Suffolk.....	Suffolk.....	Suffolk.....	
67	Virginia Western Power Co.....	HGD.....	{ West central Virginia and southeastern West Virginia.....	Buena Vista.....	Buena Vista.....	North River.....
68	Do.....	GD.....		Clifton Forge.....	Clifton Forge.....	
69	Do.....	GD.....		Covington.....	Covington.....	
70	Do.....	GD.....		Lexington.....	Lexington.....	North River.....
71	Blue Ridge Power Co.....	GD.....		Balcony Falls.....	Balcony Falls.....	James River.....
72	Warrenton Electric Light & Ice Co.....	GD.....	Warrenton and suburbs.....	Warrenton.....	Warrenton.....	
73	Water, Electric Light & Power Co.....	GD.....	Richlands.....	Richlands.....	Richlands.....	
74	Weyers Cave Light & Power Co.....	GD.....	Weyers Cave.....	Weyers Cave.....		North Fork Shenandoah River.....
75	Woodstock Electric Light & Power Co.....	GD.....	Woodstock.....	Woodstock.....		



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## VIRGINIA.

## A.—PUBLIC UTILITY PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
1	Private.....		400	175		150	\$0.10			C. Mc.
2	Do.....		1,400	3,500		2,500	\$0.08-.03	\$0.03-.015		C.
3		4,300				2,500	.08-.03	.03-.015		C.M.Mc.O.
4	Private.....		2,048	6,000		4,500	.08-.03	.03-.015	Appalachian Power Co.	C. M. Mc.
5	Do.....	3,350				2,600	.08-.03	.03-.015	do.	C.M.Mc.O.
6									Potomac Electric Power Co.	Mc. O.
7	Private.....	20,000				14,400	.10-.02	.03-.0055		C. M. O.
8	Do.....	9,000				6,900	.10-.02	.03-.0055		C. M. O.
9			(6,000)	7,500		5,250				M. O.
10			2,000	2,300		2,250	.12-.05	.08-.02		C. M. Mc.
11					100	100				Mc.
12			100	100		75				Mc.
13			70	60		(50)				Mc.
14			150	150		90				Mc.
15			150	150		65				Mc.
16		230				85				Mc.
17										Mc.
18	Private.....	1,500				1,020	.10-.07	.06-.013		C.M.Mc.O.
19	Do.....		200	150		75		.12-.06		C. Mc.
20		130				71				Mc.
21	Private.....		250	200		125	.15-.10			C. Mc.
22	Do.....	125				75				C. Mc.
23		200	200	200		200				Mc.
24	Private.....	150	150	150		175				C. Mc.
25	Do.....		160	133		80	.12-.06	.12-.06		C. Mc.
26		90			125	50				Mc.
27	Private.....		150	300		200	.17-.12	.10-.03		Mc.
28	Do.....				15	10	.15			C. Mc.
29			750	1,555		1,150	.10			M. Mc.
30									Alexandria County Lighting Co.	M. Mc.
31	Private.....						.10-.08	.08-.03	Staunton Lighting Co.	C. M. Mc.
32			1,150	2,000		1,650				M. Mc.
33		125				75				Mc.
34			2,870	7,730		5,800				Mc.
35										M. Mc.
36			600	550		250				Mc.
37			1,400	3,000		2,000				Mc.
38		350				120	.10			C. Mc.
39			200	225		175				Mc.
40			75	70		45				Mc.
41	Private.....				70	60	.15	.10-.02		C. Mc.
42		600	200	200		620				M. Mc.
43		525	400	320		420	.10-.04	.04-.02		C. Mc.
44		75				50				Mc.
45			80	75		40				Mc.
46	Private.....	750				400	.10	<sup>1</sup> 30.00		C. Mc.
47	Do.....	700	600	400		700	.10	.10-.02		C. Mc.
48	Do.....		300	100		50	.10			C. Mc.
49		4,500				2,100				Mc. O.
50			200	156		100				Mc.
51			75	60		12½				Mc.
52	Private.....		450	350		440	.15-.05	.05-.02		C. Mc.
53	Do.....	400				250	.08	.044-.025		C. Mc.
54			400	700		460	.08-.05	.04		C. Mc.
55			7,168	22,670		17,000	.10-.02	.09-.01		C. M. Mc.
56	Private.....	3,000				1,900	.10-.02	.09-.01		C. Mc.
57	Do.....	16,000	10,800	23,000		26,850	.10-.02	.09-.01		C. M. O.
58	Do.....		550	750		675	.10-.02	.09-.01		C. M. O.
59	Private.....	550	150	150		300	.10-.07	.05-.015		C. M. Mc.
60			1,600	2,000		1,500	.10-.04	.05-.015		C.
61			250	375		120				M. Mc.
62		200				150	.10-.07	.05-.015		C. M. Mc.
63	Forest.....	3,000				2,400				C.
64	Private.....		300	295		190	.10	.10-.06		C. Mc.
65			250	100		60				Mc.
66		75				40	.10			C. Mc.
67		350				275				Mc.
Total, A.....		70,275	44,246	87,899	310	112,023				

<sup>1</sup> Horsepower-year.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY  
VIRGINIA—Continued.  
B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
68		GD	Basic City	Basic City		
69		GD	Bedford	Bedford City	Near Big Island	James River
70		GD	Chase City	Chase City	Chase City	
71		GD	Danville	Danville	Danville	
72		GD	Farmville	Farmville	Farmville	
73		GD	Franklin	Franklin	Franklin	
74		GD	Front Royal and Riverton	Front Royal	Riverton	North Branch Shenandoah River.
75		GD	Gordonsville	Gordonsville	Gordonsville	
76		GD	Harrisonburg	Harrisonburg		Shenandoah River
77		GD	Manassas	Manassas	Manassas	
78		GD	Martinsville	Martinsville	Martinsville	Smiths River
79		GD	Richmond	Richmond	Richmond	James River
80		D	Salem	Salem		
81		GD	Shenandoah	Shenandoah	Shenandoah	
82		GD	Staunton	Staunton	Staunton	

C.—ALL OTHER PLANTS.

83	Bedford Pulp & Paper Co.			Richmond		
84	Danville Traction & Power Co.	G	Electric railways	Danville	Danville	
85	Ohio C. Barber Fertilizer Co.	G	Manufacturing	Falling Springs	Barber	Falling Springs
86	Riverside & Dan River Cotton Mills	G	do.	Dan River	Schoolfield	Dan River
87	Do.		do.	Riverside	Danville	Dan River
88	Virginia Soapstone Co.		Mining and manufacturing	Schuyler	Schuyler	Rockfish River
89	Warren-Burnham Co., The	H				
89	Virginia Portland Cement Co.	G	Manufacturing	Fordwick	Fordwick	
90	Washington & Old Dominion R. R. Co.	G	Electric railways	Rosslyn	Rosslyn	

WASHINGTON.

A.—PUBLIC UTILITY PLANTS.

1	American Power & Light Co.	H		Goldendale	Goldendale	
2	Pacific Power & Light Co.			Husum	Husum	White Salmon River
3	Do.			Kennewick	Kennewick	
4	Do.			Naches, No. 1	S. 13, T. 14 N., R. 17 E.	Naches River
5	Do.			Naches, No. 2	S. 3, T. 14 N., R. 17 E.	do.
6	Do.	GTD	Southern Washington and northern Oregon	North Yakima (Fruitvale).	S. 23, T. 13 N., R. 18 E.	do.
7	Do.			Pomeroy	Pomeroy	
8	Do.			Prosser	S. 2, T. 8 N., R. 24 E.	Yakima River
9	Do.			Tucannon	S. 18, T. 11 N., R. 41 E.	Tucannon River
10	Do.			Waitsburg	Waitsburg	Touchet River
11	Do.			Walla Walla	S. 20, T. 7 N., R. 36 E.	
12	Anacortes Light & Water Co.	GD	Anacortes	Anacortes	Anacortes	
13	Black Rock Power & Irrigation Co.	GD	Hanford and Irrigation	Priest Rapids	S. 2, T. 13 N., R. 23 E.	Columbia River
14	Bolcom Vanderhoff Logging Co.	H				
14	Sumas Electric Light Co.	GD	Sumas and vicinity	Sumas		
15	Bremerton Charlestown Light & Fuel Co.			Bremerton		
16	Byllesby, H. M., & Co.	M				
16	Everett Gas Co.	D	Snohomish and Monroe			
17	Central Light & Manufacturing Co.	GD				
17	(Lessor, R. P. Buser)	L	Pe Ell	Pe Ell	Pe Ell	Chehalis River
18	Chelan Electric Co.	GD	Chelan and Lakeside	Chelan	Chelan	
19	Cheney Electric Light Plant	GD	Cheney	Cheney	Cheney	
20	Clear Lake Lumber Co.	GD	Clear Lake	Clear Lake	Clear Lake	
21	Duvall Light & Water Co.	GD	Duvall	Duvall	Duvall	
22	Edmonds Electric Light & Power Co.	D	Richmond Beach and Edmonds.			
23	Elma Light & Power Co.	GD	Elma	Elma	Near Elma	
24	Enloe, Eugene	D	Medical Lake, Rosalia and vicinity.			
25	Federal Light & Traction Co.	H				
25	Grays Harbor Railway & Light Co.	GTD	Aberdeen, Hoquiam and Cosmopolis.	Aberdeen	Aberdeen	
26	Granite Falls Electric Co.	GD	Granite Falls	Granite Falls	S. 19, T. 30 N., R. 7 E.	Pilchuck
27	Great Northern Railroad Co.	GT	Tumwater Light & Power Co.	Lower	Leavenworth	
28	Hunters Electric Light Co.	GD	Hunters	Hunters	Hunters	Hunters Creek
29	Independent Electric Co.	D	Castlerock, Winlock, and vicinity.			
30	Inland Portland Cement Co.	GD	Metaline Falls and Cement Plant.	Sullivan Creek	S. 22 and 27, T. 39 N., R. 43 E.	Sullivan Creek
31	Ione Water & Power Co.	D	Ione			
32	Jim Creek Water, Light & Power Co.	GD	Arlington and vicinity	Jim Creek	S. 2, T. 31 N., R. 5 E.	Jim Creek



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## VIRGINIA—Continued.

## B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
68	Private.....	190				150				Mc.
69	Private.....	500				400	\$0.08-\$0.05	\$0.08-\$0.025		C. Mc.
70	Private.....		125	100		(90)				Mc.
71	Private.....		1,400	2,400		1,800	.072-.054	.03-.01		C. Mc.
72	Private.....		600	300		200				Mc.
73	Private.....		275	150		105				Mc.
74	Private.....	184				150	.075-.03	.03-.015		C. Mc.
75	Do.....		100	(60)		37½				C.
76	Do.....	1,850				850				Mc.
77	Do.....		250	200		150				C. Mc.
78	Private.....	1,000				800	.05	150.00-118.00		C. Mc.
79	Private.....	2,400	1,000	2,670		2,700				C. Mc. O.
80	Private.....								Roanoke Railway & Electric Co.	Mc.
81	Private.....		160	138		70				Mc.
82	Private.....		150	260		200				C. Mc.
Total, B.....		6,124	4,060	6,278		7,703				

## C.—ALL OTHER PLANTS.

83	Private.....	3,400								O.
84	Private.....		450	800		724				C. Mc.
85	Do.....	760				550				C.
86	Do.....	9,270	12,500	9,000		16,350				C. M.
87	Do.....	4,000	2,500	2,500		1,650				C. M. O.
88	Do.....	400	150							C.
89	Private.....		2,820	4,000		1,900				M.
90	Private.....		1,500	3,330		1,250				C. M.
Total, C.....		17,830	19,920	19,630		22,424				M. Mc.
Grand total.....		94,229	68,226	113,807	310	142,150				

## WASHINGTON.

## A.—PUBLIC UTILITY PLANTS.

1	Private.....	250				150	\$0.13-\$0.065	1\$72.00		Mc. C.
2	Private.....	100				75				Mc. O.
3	do.....		450	666		500				Mc. O. C.
4	do.....	10,100	2,050	3,680		9,500				O. C.
5	do.....	1,900				1,400				O. C.
6	Private.....	500				350				O. C.
7	Do.....		150	125		100				O. C.
8	Do.....	668				600				Mc. O. C.
9	Do.....	200				150				Mc. O. C.
10	Private.....	170		125		150				O. C.
11	Private.....		1,000	1,340		1,000				Mc. O. C.
12	Private.....		360	930		700	.12-.07			Mc. O. M. C.
13	Private.....	2,000				1,800	.12		Pacific Power & Light Co.	C.
14	Private.....		(90)	(125)		75	.10-.04	\$0.038-.0125	Western Canada Power Co.	Mc. C.
15	Private.....									O.
16	Private.....								Puget Sound Traction, Light & Power Co.	Mc. C.
17	Private.....	125	35	60		200	.125	.08		Mc. O. P. C.
18	Private.....	200				75				Mc. O. P.
19	Private.....		60	50		30			Washington Water Power Co.	Mc.
20	Private.....		(100)	110		90				Mc. C.
21	Private.....			65		35				Mc. P.
22	Private.....						.12-.04	.05	Pacific Northwest Traction Co.	Mc. P. C.
23	Private.....	250	100	84		250				Mc. O.
24	Private.....						.15-.10	.07-.02	Washington Water Power Co.	Mc. C.
25	Private.....		1,200	3,500		2,650	.10-.04	.07-.005	Anderson & Middleton Lumber Co.	Mc. O. M.
26	Private.....	100			80	60	.125-.045	.06-.03		P. C.
27	Private.....	(330)				200				Mc. O. P. C.
28	Private.....									C.
29	Private.....	17				25			Washington-Oregon Corporation.	Mc. O.
30	Forest.....	4,000				3,530	.05	.05		Mc. P. C.
31	Private.....						.15		Inland Portland Cement Co.	C.
32	Do.....	350	100	81		275	.125-.03	.10-.02		P. C.

<sup>1</sup> Horsepower-year.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## WASHINGTON—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
33	Key City Light & Power Co.....	GD	Port Townsend.....	Port Townsend.....	Port Townsend.....	
34	Kneeland Iron Co.....	II				
35	Shelton Electric Co.....	GD	Shelton.....	Shelton.....	Shelton.....	
36	Kulzer Electric Co.....	GD	Valley, Springdale, and Gray	Valley.....	S. 26, T. 31 N., R. 41 E.	
36	La Conner Electric Light Plant.....	GD	La Conner.....	La Conner.....	La Conner.....	
37	Lewis County Light & Telephone Co.....	GD	Morton.....	Morton.....	Morton.....	Tilton River.....
38	Lewiston-Clarkston Improvement Co.....	GD	Lewiston, Ida, and vicinity..	Asotin.....	S. 21, T. 11 N., R. 46 E.	Asotin Creek.....
39	Little Spokane Light & Power Co.....	GD	Milan, Deer Park, and Chat-taroy.	Milan.....	Milan.....	Little Spokane River..
40	Metaline Falls Light & Water Co.....	D	Metaline Falls.....			
41	Mills, J. L., & Sons.....	GD	Thorp.....	Thorp.....	Thorp.....	
42	Morton & McDaniel Electric Light Plant.....	GD	Conconully.....	Conconully.....	Conconully.....	
43	Northern Clarke County Light & Power Co.....	GD	Yacolt.....	Yacolt.....	S. 1, T. 4 N., R. 3 E.	Big Tree Creek.....
44	North Shore Light & Power Co.....	GD	Ilwaco and Long Beach.....	Ilwaco.....	Ilwaco.....	
45	North Washington Power & Reduction Co.....	GD	Republic.....	Republic.....	Republic.....	
46	Northwestern Electric Co.....	GD	Camas, Washougal, and Portland, Oreg.	Condit.....		White Salmon River..
47	Northwestern Improvement Co.....	GD	Ronald, Roslyn, and Cle Elum.	Roslyn.....	S. 17, T. 20 N., R. 15 E.	
48	Northwest Electric & Waterworks.....	GD	Satsop and Montesano.....	Montesano.....	S. 31, T. 18 N., R. 7 W.	Silvia Creek.....
49	Oakville Light & Power Co.....	GD	Oakville.....	Oakville.....		
50	Okanogan Valley Power Co.....	GD	Okanogan, Bridgeport, and vicinity.	Patnos.....	S. 34, T. 30 N., R. 23 E.	Methow River.....
51	Do.....	GD	do.....	Pateros.....	Pateros.....	do.....
52	Olympia Light & Power Co.....	GD	Olympia and Tumwater.....	Olympia.....	Olympia.....	Tumwater River.....
53	Olympic Power Co.....	GD	Port Angeles and vicinity..	Elwha Canyon.....	Elwha Canyon.....	Elwha River.....
54	Pacific Coast Coal Co.....	GD	Newcastle.....	Newcastle.....	Newcastle.....	
55	Rainier Heat & Power Co.....	GD	Seattle.....	Seattle.....	Seattle.....	
56	Similkameen Power Co.....	GD	Oroville and Nighthawk.....	Oroville.....	Oroville.....	Similkameen River..
57	Skamania Light & Power Co.....	GD	Stevenson.....	Stevenson.....	Stevenson.....	
58	Spokane County Electric Co.....	D	Rockford.....			
59	Spokane & Inland Empire R. R. Co.....	GTD	Spokane.....	Nine Mile.....	S. 6, T. 26 N., R. 42 E.	Spokane River.....
60	Starbuck Electric Co.....	GD	Starbuck.....	Starbuck.....	Starbuck.....	
61	Stevens County Power & Light Co.....	GD	Myers Falls and vicinity....	Myers Falls.....	Myers Falls.....	Colville River.....
62	Stone & Webster.....	M				
62	Pacific Northwest Traction Co.....	D	Northwestern Washington..	Sedro Woolley.....	Sedro Woolley.....	
63	Puget Sound International Railway & Power Co.	GTD	do.....			
63	(Lessor, Everett Railway, Light & Water Co.)	L	do.....	Bond Street.....	Everett.....	
64	Puget Sound Traction, Light & Power Co.....			Bellingham.....		
65	Do.....			Electron.....	T. 17 N., R. 5 E.	Puyallup River.....
66	Do.....			Everett.....	Everett.....	
67	Do.....			Georgetown.....	Seattle.....	
68	Do.....			Nooksack.....	40 miles from Belling-ham.	Nooksack River.....
69	Do.....	GTD	do.....	Post Street.....	Seattle.....	
70	Do.....			Snoqualmie No. 1.....	Snoqualmie Falls.....	Snoqualmie River.....
71	Do.....			Snoqualmie No. 2.....	do.....	do.....
72	Do.....			White River.....		
73	Tacoma Railway & Power Co.....			Tacoma.....	Tacoma.....	
74	Sulton Electric Co.....	GD	Sultan.....	Sultan.....	Sultan.....	
75	Superior Port Cement Co.....	GD	Baker.....	Baker.....		Bear Creek.....
76	Syndicate Heat & Power Co.....	GD	Tacoma.....	Tacoma.....	Tacoma.....	
77	Tillicum Development Co.....	GD	Loomis.....	Loomis.....	S. 34, T. 39 N., R. 25 E.	Toats Coula Creek....
78	Toledo Electric Co.....	GD	Toledo.....	Toledo.....	Toledo.....	
79	Tumwater Light & Water Co.....	D	Leavenworth and Peshastin			
80	Van Ness, J. A., Lumber Co.....	GD	Winlock.....	Winlock.....	S. 5, T. 11 N., R. 2 W.	
81	Washington-Oregon Corporation.....	GTD	Southwestern Washington..	Chehalis.....	Chehalis.....	
82	Do.....	GTD	do.....	Kalama.....	S. 7, T. 6 N., R. 1 E.	Kalama River.....
83	Washington Water Power Co.....			Little Falls.....	S. 20, T. 27 N., R. 39 E.	Spokane River.....
84	Do.....			Long Lake.....	S. 13, T. 27 N., R. 39 E.	do.....
85	Do.....			Spokane.....	S. 18, T. 25 N., R. 43 E.	do.....
86	Do.....			do.....	Spokane.....	
87	Washtucna Electric Light & Power Co.....	GD	Washtucna.....	Washtucna.....	Washtucna.....	Palouse River.....
88	Weller, Charles J.....	GD	Wilson Creek.....	Wilson Creek.....	Wilson Creek.....	
89	Wenatchee Valley Gas & Electric Co.....			Dryden.....	S. 27, T. 24 N., R. 18 E.	Wenatchee River.....
90	Do.....	GTD	North Central Washington..	Entiat.....	S. 18, T. 25 N., R. 21 E.	Entiat River.....
91	Do.....			Wenatchee.....	S. 27, T. 22 N., R. 20 E.	Quil-toc Creek.....
92	Western Light & Power Co.....	GD	Washougal and Camas.....	Washougal.....	Washougal.....	Washougal River.....
93	Western Mills & Lumber Co.....	GD	Friday Harbor.....	Friday Harbor.....	Friday Harbor.....	
94	Wilkerson Light & Water Co.....	GD	Wilkerson.....	Wilkerson.....	Wilkerson.....	
95	Willapa Electric Co.....	GD	Raymond and South Bend..	Raymond, No. 1.....	Raymond.....	
96	Do.....	GD	do.....	Raymond, No. 2.....	do.....	
97	Do.....	GD	South Bend.....	South Bend.....	S. 15, T. 14 N., R. 9 W.	

## B.—MUNICIPAL PLANTS.

98		D	Blaine.....	Blaine.....		
99		GD	Bremerton and Charleston..	Bremerton.....	Bremerton.....	
100		D	Cashmere.....	Cashmere.....		
101		D	Centralia.....	Centralia.....		



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## WASHINGTON—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
33			325	230		140				Me. P.
34			150	135		75				Me. O. C.
35		200				45	\$0.13 - \$0.08			Me. O. P. C.
36			60	50		125				Me.
37	Private	198	60	50		50	.12 - .035	\$0.08 - \$0.01		C.
38	Do	3,300	1,390	2,330		1,900	.12 - .07	.005 - .035		Me. O. P. C.
39		150				80				Me. O. C.
40									Inland Portland Cement Co.	C.
41		45				60				Me.
42			61	25		10				Me.
43	Private	100	30	30		75	.13 - .07	.03 - .005		Me. O. P. C.
44			80	60	60	60	.20 - .10	.06 -		Me. P. C.
45		750	540	425		675				Me. O. P.
46	Private	18,000				12,000	.09	.05		O. M. P. C.
47	Private		1,500	1,500		1,850	.10 - .04	.08 - .02		M. O. M. C.
48	Do	313	325	375		450	.12 - .05	.08 - .02		O. Me. M. P.
49					26	36				Me.
50	Private	850				109	.14 - .06	.07 - .015		Me. O. C.
51	Do	750				435	.14 - .08	.07 - .015		C.
52		1,600				1,000				Me. O. P.
53		9,600				6,000				Me. O. P.
54			250	235		140	1.50			C.
55			700	700		300				Me.
56	Public	500				350	.10 - .06	.09 - .073		Me. O. C.
57		100				75				Me. O. P.
58									Washington Water Power Co.	Me. P.
59		20,000				12,000	.12 - .025	160.00 - 25.00	do.	O. M. C.
60		210				100				Me. O. P.
61	Private	750				425	.12 - .04	.07 - .0065		Me. O. P. C.
62							.08 - .06	.05 - .006		Me. C.
63	Private		1,192	2,250		1,750	.08 - .06	.05 - .005	Puget Sound Traction, Light & Power Co.	C.
64	Do		1,515	3,700		3,000			Western Canada Power Co.	Me. O. M. C.
65	Do	15,000				14,000				Me. O. C.
66	Do		1,218	2,500		1,700				Me. O. C.
67	Do		7,000	16,000		13,000				Me. O. C.
68	Do	3,300				1,500				Me. O. C.
69	Do		6,400	9,260		3,200				Me. O. C.
70	Do	20,000				11,000				Me. O. C.
71	Do	11,000				8,800				Me. O. C.
72	Do	36,000				20,000				O. C.
73	Do		4,100	4,450		4,700				Me. O. C.
74		120				(70)				Me. O.
75	Forest	1,500				1,100				Me. O.
76			300	300		110				Me.
77	Private	750				450				Me. O. C.
78			50	35		24				Me.
79									Great Northern Ry. Co.	Me. O. P.
80	Private		1,200	2,100		925				C.
81	Do		1,050	2,000		1,500	.12 - .04		Van Ness Lumber Co.	Me. O. C.
82	Do	970				675	.125 - .04			Me. O. P. C.
83	Public	36,000				22,790				Me. O. P. C.
84	Private	45,000				27,800				Me. O. C.
85		11,900				8,400				C.
86			6,000	10,000		12,000				Me. M. P. C.
87		75				50				Me. O.
88			29			50				Me. O.
89	Private	2,400				1,300				Me. O. P.
90	Do	2,100				1,200	.10 - .04			Me. O. C.
91	Do	300				180				Me. O. C.
92	Do	250	100	90		75	.10 - .05	.02 - .015		Me. P. C.
93			150	100		50				Me.
94			600	275		200				Me.
95	Private		385	925		750	.125 - .05	.07 - .015	Steam from Willapa Lumber Co.	Me. O. M. C.
96	Do		(1,200)	1,333		1,250	.125 - .05	.07 - .015		C.
97	Do	150				115	.125 - .05	.07 - .015		O. M. C.
Total, A.		265,491	43,655	78,404	166	232,999				

## B.—MUNICIPAL PLANTS.

98							\$0.11 - \$0.06	\$0.7 - \$0.04	British Columbia Electric Ry. Co.	Me. C.
99			208	200		135				Me. O.
100							.10 - .05	<sup>2</sup> 48.00	Wenatchee Valley Gas & Electric Co.	Me. C.
101									Washington-Oregon Corporation.	Me.

<sup>1</sup> Lamp-hour.<sup>2</sup> Horsepower year.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## WASHINGTON—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
102		GD	Chewelah	Chewelah	S. 1, T. 32 N., R. 40 E.	East Fork Chewelah River.
103		D	Eatonville	Eatonville		
104		GD	Ellensburg	Ellensburg	Ellensburg	Yakima River
105		D	Port Angeles	Port Angeles		
106		GD	Seattle and Cedar Falls	Seattle	S. 4, T. 22 N., R. 8 E.	Cedar River
107		GD	Seattle	do	S. 20, T. 25 N., R. 4 E.	
108		GD	Steilacoom, Tacoma & Eatonville.	Tacoma	S. 32, T. 16 N., R. 4 E.	Misqually River
109		D	Waterville	Waterville		

## C.—ALL OTHER PLANTS.

110	American Power & Light Co.		Ice machines	Dayton	Dayton	Touchet Creek
111	Pacific Power & Light Co.		Sawmill	Twisp	Twisp	Twisp River
112	Crescent Mining Co.	G	Manufacturing	Camas	S. 11, T. 1 N., R. 3 E.	Lacamas Creek
113	Crown Willamette Paper Co.	G	Sanitarium	Sanborn Creek	S. 30, T. 30 N., R. 9 W.	Sanborn Creek
114	Dechman, Louis	G				
115	Great Northern Ry. Co.	G	Railroad	Leavenworth	Leavenworth	Wenatchee River
116	United States Reclamation Service.	G	Pumping	Okanogan, No. 1	T. 33 N., R. 26 E.	
	Do.	G	do	Okanogan, No. 2	T. 34 N., R. 26 E.	

## WEST VIRGINIA.

## A.—PUBLIC UTILITY PLANTS.

1	American Gas & Electric Co.	H				
2	Wheeling Electric Co.	GD	Wheeling and vicinity	Moundsville	Moundsville	
	Do.			Wheeling	Wheeling	
3	American Railways Co.	H				
	Consolidated Light, Heat & Power Co.	GD	Ashland, Ky., and Cabell and Wayne Counties, W. Va.	Kenova		
4	Ohio Valley Electric Ry. Co.	D	do	Huntington		
5	American Water Works & Electric Co. (Inc.)	H				
6	Brooke Electric Co.	D	Warwood	Warwood		
7	Wheeling Traction Co.	GD	Wheeling	Wheeling	Wheeling	
8	Barstow, W. S., & Co. (Inc.)	M				
9	West Virginia Traction & Electric Co.	GTD	Suburbs of Wheeling	Elm Grove	Elm Grove	
10	Do.	GD	Morgantown	Morgantown, No. 1	Morgantown	
	Do.	GD	do	Morgantown, No. 2	do	
	Do.	GD	do	Morgantown, No. 3	do	
11	Beckley Electric Light & Power Co.	D	Beckley and Mabscott	Beckley	Beckley	
12	Bethany Improvement Association	GD	Bethany	Bethany	Bethany	
13	Buckhannon Light & Water Co.	GD	Buckhannon	Buckhannon	Buckhannon	
14	Byllesby, H. M., & Co.	M				
15	Appalachian Power Co.	GTD	Southern West Virginia and southwestern Virginia	Bluefield	Bluefield	
	Do.			Welch	Welch	
16	Campbell, W. H., & Sons Light Plant	GD	Summerville	Summerville		
17	Charleston-Interurban Railroad Co.	GD				
18	(Lessor, Kanawha Valley Traction Co.)	L	Charleston	Charleston	Charleston	
19	Cherry River Boom & Lumber Co.	GD	Richwood	Richwood	Richwood	
20	Clarksburg Gas & Electric Co.	GD	Clarksburg	Clarksburg	Clarksburg	
21	Consumers Electric Light Co.	GD	Mannington	Mannington	Mannington	
22	Consumers Heat, Light, Water & Power Co.	GD	Belington	Belington	Belington	
23	Davis Electric Light Co.	GD	Davis	Davis	Davis	
24	Elkins Power Co.	GD	Elkins	Elkins	Elkins	
25	Fayette Public Service Corporation	D	Fayetteville and vicinity	Fayetteville		
26	Flattop Ice & Cold Storage Co.	D				
27	General Utilities & Operating Co.	H				
28	Logan Light & Power Co.	GD	Logan	Logan	Logan	
29	Gee Electric Co.	GD		Wheeling	Wheeling	
30	Grafton Light & Power Co.	GD	Grafton	Grafton	Grafton	
31	Harpers Ferry Electric Light & Power Co.	GD	Harpers Ferry and vicinity	Harpers Ferry	Harpers Ferry	Potomac River
32	Hinton Water, Light & Supply Co.	GD	Hinton	Hinton	Hinton	
33	Kanawha Traction & Electric Co.	GD		Parkersburg	Parkersburg	
34	Keyser Electric Light Co.	GD	Keyser	Keyser	Keyser	
35	Laurel Creek Electric Co.	GTD	Lawton	Lawton	Lawton	
36	Logan Electric Co.	GD	Logan	Logan	Logan	
37	Martinsburg Power Co.	GD	Martinsburg, Bedington, Shepherdstown.	Martinsburg		Potomac River
38	Martin, J. A., Light Plant	GD	Terra Alta	Terra Alta	Terra Alta	
	Matoaka Electric Power Co.	GD	Matoaka	Matoaka	Matoaka	
	Monongahela Valley Traction Co.	GTD	Marion and Harrison Counties.	Hutchinson	Hutchinson	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## WASHINGTON—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
102	.....	50	.....	.....	.....	50	\$0.13 - \$0.06	.....	.....	Mc. C.
103	Private.....	1,660	325	250	.....	950	.10 - .05	.....	City of Tacoma.....	Mc. C.
104	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mc. O. C.
105	.....	.....	.....	.....	.....	.....	.....	.....	Olympia Power Co.....	O.
106	Private.....	20,800	.....	.....	.....	10,500	.055- .02	\$0.035-\$0.005	.....	Mc. O. C.
107	Do.....	.....	2,468	13,000	.....	9,375	.055- .02	.035- .005	.....	Mc. C.
108	.....	32,000	.....	.....	.....	20,000	.055- .0132	.024- .0045	Puget Sound Traction, Light & Power Co.	Mc. O. C.
109	.....	.....	.....	.....	.....	.....	.....	.....	Wenatchee Valley Gas & Electric Co.	Mc. C.
	Total, B.....	54,510	3,001	13,450	.....	41,010	.....	.....	.....	.....

## C.—ALL OTHER PLANTS.

110	Private.....	250	.....	.....	.....	.....	.....	.....	.....	C.
111	Forest.....	25	.....	.....	.....	20	.....	.....	.....	O.
116	.....	1,800	4,750	1,800	.....	205	.....	.....	Northwestern Electric Co.....	O. M. C.
113	Forest.....	8	.....	.....	.....	4	.....	.....	.....	O.
114	.....	8,500	.....	.....	.....	7,500	.....	.....	.....	O. C.
115	Public.....	250	.....	.....	.....	187	.....	.....	.....	C.
116	Private.....	300	.....	.....	.....	187	.....	.....	.....	C.
	Total, C.....	11,133	4,750	1,800	.....	8,103	.....	.....	.....	.....
	Grand total.....	331,134	51,406	93,654	166	282,112	.....	.....	.....	.....

## WEST VIRGINIA.

## A.—PUBLIC UTILITY PLANTS.

1	.....	.....	450	500	.....	300	.....	.....	.....	C.
2	.....	.....	3,000	12,000	.....	9,000	.....	.....	.....	Mc. M. C.
3	.....	.....	5,000	6,670	.....	5,000	\$0.06 - \$0.03	\$0.03 - \$0.01	.....	Mc. M. C.
4	.....	.....	.....	.....	.....	.....	.....	.....	Consolidated Light, Heat & Power Co.	Mc. M.
5	.....	.....	.....	.....	.....	.....	.....	.....	West Penn Railways Co.....	Mc. M.
6	.....	.....	4,200	9,192	.....	6,850	.....	.....	.....	Mc. M.
7	.....	.....	1,850	2,500	.....	2,330	.....	.....	.....	Mc. M.
8	.....	.....	1,200	3,000	.....	2,260	.....	.....	.....	Mc. M. C.
9	.....	.....	1,200	3,000	.....	2,260	.....	.....	.....	Mc. C.
10	.....	.....	2,700	2,500	.....	2,425	.....	.....	.....	Mc. C.
11	.....	.....	.....	.....	.....	.....	.07 - .03	.07 - .03	Virginia Power Co.....	Mc. C.
12	.....	.....	(90)	100	.....	(60)	.....	.....	.....	Mc.
13	.....	.....	200	265	.....	240	.....	.....	.....	Mc.
14	.....	.....	1,500	(5,800)	.....	3,525	.....	.....	.....	Mc. M.
15	.....	.....	300	250	.....	140	.....	.....	.....	Mc. M.
16	.....	27	.....	.....	.....	25	.....	.....	.....	.....
17	.....	.....	1,200	1,000	.....	900	.....	.....	.....	Mc. M.
18	Private.....	.....	1,350	670	.....	385	.....	.....	.....	C.
19	Do.....	.....	1,400	1,100	.....	835	.05 - .015	.05 - .015	.....	Mc. C.
20	.....	.....	.....	.....	485	275	.....	.....	.....	Mc.
21	Private.....	.....	250	110	.....	75	.10 - .10	.....	.....	Mc.
22	.....	.....	125	125	.....	90	.10 - .05	.....	.....	Mc. C.
23	Private.....	.....	750	778	.....	480	.10 - .04	.10 - .016	.....	Mc. M. C.
24	.....	.....	.....	.....	.....	.....	.....	.....	Stuart Colliery Co.....	Mc.
25	.....	.....	.....	.....	.....	.....	.....	.....	Appalachian Power Co.....	Mc. C.
26	.....	.....	2,000	13,330	.....	10,000	.....	.022- .004	.....	Mc.
27	.....	.....	.....	.....	80	55	.08 - .035	.....	.....	Mc. C.
28	Private.....	.....	600	800	.....	675	1.00	.....	Wheeling Electric Co.....	C.
29	Do.....	470	.....	.....	.....	295	.10 - .025	.....	.....	Mc. M. C.
30	.....	.....	600	725	.....	500	.....	.....	.....	Mc.
31	Private.....	.....	2,050	2,000	.....	1,405	.075	.04	.....	Mc. M. C.
32	Do.....	.....	450	600	.....	500	.10 - .06	.....	.....	Mc. M. C.
33	Do.....	.....	684	670	.....	400	.....	.....	.....	Mc. C.
34	.....	.....	300	450	.....	270	.....	.....	.....	Mc.
35	.....	2,250	2,000	2,000	.....	2,000	.....	.....	.....	Mc. O.
36	.....	.....	300	400	.....	300	.....	.....	.....	Mc.
37	Private.....	.....	.....	.....	.....	200	.12 - .08	.035- .01	.....	C.
38	Do.....	.....	.....	4,000	.....	3,750	.06 - .03	.02 - .0125	Consolidated Coal Co.....	Mc. M. C.

<sup>1</sup> Lamp-month.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## WEST VIRGINIA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
39	Newell Water & Power Co.....	GD.....	Newell.....	Newell.....	Newell.....	Cacapon River.....
40	Northern Virginia Power Co.....	}GD.....	{Northeastern West Virginia and northern Virginia.....	{Berkeley Springs.....	Berkeley Springs.....	Shenandoah River.....
41	Do.....			{Millville.....	Millville.....	
42	Ohio Fuel Supply Co.....	H.....				
42	West Virginia Light & Water Co.....	GD.....	Charleston and Edgewood...	Charleston.....	Charleston.....	
43	Parsons Electric Co.....	GD.....	Parsons, Hambleton, and Hendricks.	Parsons.....		
44	Piedmont Electric Light & Power Co.....	GD.....	Mineral County, W. Va., Westernport, Md.	Piedmont.....	Piedmont.....	
45	Point Pleasant Water & Light Co.....	GD.....	Point Pleasant.....	Point Pleasant.....	Point Pleasant.....	
46	Princeton Power Co.....	GD.....	Princeton.....	Princeton.....	Princeton.....	
47	St. Albans Water & Electric Light Co.....	GD.....	St. Albans.....	St. Albans.....	St. Albans.....	
48	Shepherdstown Electric Light & Power Co.....	GD.....	Shepherdstown.....	Shepherdstown.....	Shepherdstown.....	
49	Sistersville Electric Light & Power Co.....	GTD.....	Tyler and Wetzel Counties..	Sistersville.....	Sistersville.....	
50	Sugar Creek Coal & Coke Co.....	D.....	Mount Hope.....	Mount Hope.....	Mount Hope.....	
51	Tri-State Railway & Electric Co.....	H.....				
51	Wellsburg Electric, Heat & Power Co.....	D.....	Hancock and Brooke Counties.			
52	United Railways Investment Co.....	H.....				
52	Southern Heat, Light & Power Co.....	GD.....	Benwood and McMechen.....		Benwood.....	
53	Virginia Power Co.....	GTD.....	Kanawha, Fayette, and Raleigh Counties.	Cabin Creek Junction..	Cabin Creek Junction..	
54	Virginia-Western Power Co.....	GD.....	Ronceverte and Lewisburg..	Ronceverte.....	Ronceverte.....	
55	Weston Electric Light, Power & Water Co.....	GD.....	Weston.....	Weston.....	Weston.....	
56	West Virginia Light & Traction Co.....	H.....				
56	Montgomery Utilities Co.....	D.....	Montgomery.....	Montgomery.....		Virginia Power Co....
57	West Virginia Development Co.....	H.....				
57	Parsons Milling & Mercantile Co.....	TD.....	Parsons, Hendricks and Hambleton.	Parsons Mill.....		E. F. K. Cheat River.
58	West Virginia Pulp & Paper Co.....	GD.....	Cass.....	Cass.....	Cass.....	
59	Wheeling Valley Light & Power Co.....	GD.....	Woodsdale.....	Woodsdale.....	Woodsdale.....	
60	Williamson Light & Ice Co.....	GD.....	Williamson.....	Williamson.....	Williamson.....	

## B.—MUNICIPAL PLANTS.

61		GD.....	Grafton.....	Grafton.....	Grafton.....	
62		GD.....	Kingwood.....	Kingwood.....	Kingwood.....	
63		GD.....	Phillipi.....	Phillipi.....	Phillipi.....	
64		GD.....	Ravenswood.....	Ravenswood.....	Ravenswood.....	
65		GD.....	Rowlesburg.....	Rowlesburg.....	Rowlesburg.....	
66		GD.....	Wheeling.....	Wheeling.....	Wheeling.....	

## C.—ALL OTHER PLANTS.

67	Charleston-Dunbar Traction Co.....	G.....	Electric railway.....	Dunbar.....	Dunbar.....	
68	Consolidated Coal Co. (Inc.).....		Mining.....	Hutchinson.....	Hutchinson.....	
69	Elkins Electric Railway Co.....	G.....	Electric railway.....	Elkins.....	Elkins.....	
70	Harpers Ferry Paper Co.....		Mills.....	Harpers Ferry.....	Harpers Ferry.....	Potomac River.....
71	Morris Harvey College.....	G.....	Lighting and pumping.....	Barboursville.....	Barboursville.....	
72	Quincy Coal Co. (Inc.).....	G.....	Mining.....	Quincy.....	Quincy.....	
73	Shenandoah Pulp Co.....		Mills.....	Harpers Ferry.....	Harpers Ferry.....	Shenandoah River.....
	Union Carbide Co.....					
74	Electric Metallurgical Co.....			Glen Ferris.....		Kanawha River.....
75	Do.....			Kanawha Falls.....		do.....
76	Union Traction Co.....	G.....	Electric railway.....	Sistersville.....	Sistersville.....	

## WISCONSIN.

## A.—PUBLIC UTILITY PLANTS.

1	Abbotsford Electric Co.....	GD.....	Abbotsford and Dorchester..	Abbotsford.....	Abbotsford.....	
2	Albany Electric Light & Milling Co.....	GD.....	Albany.....	Albany.....	Albany.....	Sugar River.....
3	Albers, Wm., Light Plant.....	GD.....	Prairie du Sac.....	Prairie du Sac.....	Prairie du Sac.....	
4	Alma Electric Light Co.....	GD.....	Alma.....	Alma.....	Alma.....	
5	Almond Electric & Power Co.....	GD.....	Almond.....	Almond.....	Almond.....	
6	American Gas Co. of New Jersey.....	H.....				
6	Waukesha Gas & Electric Co.....	GD.....	Waukesha.....	Waukesha.....	Waukesha.....	
7	American Light & Traction Co.....	H.....				
7	Madison Gas & Electric Co.....	GD.....	Madison.....	Madison.....	Madison.....	
8	St. Croix Power Co.....	GTD.....	St. Paul, Minn.....	Apple River Falls.....		Apple River.....



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## WEST VIRGINIA—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
39	Private.....		930	900		750	\$0.12 - \$0.02	\$0.05 - \$0.02		Mc. C.
40	Do.....	1,700	400	833		1,925	.10 - .04	.04 - .011		Mc. C.
41	Do.....	3,050	1,500	2,000		3,050	.10 - .04	.04 - .011		Mc. C.
42			800	670		800	.15			Mc. M.
43		50			125	60				Mc.
44	Private.....		300	575		420	.10 - .05			Mc. C.
45	Do.....		600	300		187	.10 - .04	.04		Mc. C.
46			600	250		375				Mc. M.
47			125	85	55	125				Mc.
48			60	50		37½	.10			Mc. C.
49					1,800	2,355				Mc.
50							.075 - .05	.04		C.
51									West Penn Traction Co.	Mc. M. Mc. M.
52			450	400		325				M.
53			7,200	20,000		20,000		.015		Mc. M. Mc. M. O.C
54			250	500		415				Mc. M.
55	Private.....		600	550		450	.08 - .03	.08 - .03		Mc. M. C.
56							.08 - .06	.06 - .03		Mc. C.
57	Private.....	90			125	60				C.
58			600	60		75				Mc. C.
59					155	(90)				Mc.
60	Private.....		400	750		595	.10 - .06	.05 - .03	Tug River Power Co.	Mc. M. C.
Total, A.....		7,637	50,564	102,458	2,825	89,809				

## B.—MUNICIPAL PLANTS.

61			330	200		(120)				Mc.
62			150	150		100	\$0.10			Mc. C.
63			230	200		120				Mc.
64	Private.....				155	80	.05			Mc. C.
65	Do.....		200	150		100	.10			Mc. C.
66	Do.....		600	900		304				Mc. C.
Total, B.....			1,510	1,600	155	824				

## C.—ALL OTHER PLANTS.

67						350				Mc. M.
68	Private.....				6,000	5,120				C.
69			150	340		200				Mc. M.
70		2,400								C.
71					40	30				C.
72	Private.....		300	200	200					C.
73		2,000								C. O.
74		11,750							{ Sistersville Electric Light & Power Co.	M.
75										O.
76					1,795	1,175				Mc. M.
Total, C.....		16,150	450	540	8,035	6,875				
Grand total.....		23,787	52,524	104,598	11,015	97,508				

## WISCONSIN.

## A.—PUBLIC UTILITY PLANTS.

1	Private.....				100	55	\$0.15 - \$0.12			C. Mc.
2	Do.....	70			75	45	.10			C. Mc.
3			80	60		40				Mc.
4	Private.....		70	65		50	.10 - .06			C. Mc.
5					30	37½				Mc.
6	Private.....		1,180	3,000		3,750	.13 - .07	\$0.035 - \$0.026		C. M. Mc.
7			3,355	5,796	560	4,662				C. M. Mc.
8		5,600			3,000					Mc. O.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## WISCONSIN—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
9	American Public Utilities Co.	H.	Eau Claire, Chippewa, Clark, Jackson, Dunn, Pierce, and La Crosse Counties, Wis., and Dakota, Goodhue, and Wabasha Counties, Minn.	Cedar Falls.	Cedar Falls.	Red Cedar River.
10	Wisconsin-Minnesota Light & Power Co.			Chippewa Falls.	Chippewa Falls.	Chippewa River.
11	Do.			Dells Dam.		
12	Do.	GTD.		Eau Claire.	Eau Claire.	Chippewa River.
13	Do.			La Crosse.	La Crosse.	
14	Do.			Menomonie.	Menomonie.	Red Cedar River.
15	Amery Electric Co.	D.	Amery.	Amery.		
16	Antigo Electric Co.	GD.	Antigo.	Antigo.	Antigo.	
17	Apple River Milling Co.	GD.	Amery and Clear Lake.	Amery.	Little Falls.	Apple River.
18	Athens Electric Light & Power Co.	GD.	Athens.	Athens.	Athens.	
19	Augusta Light & Telephone Co.	GD.	Augusta.	Augusta.	Augusta.	
20	Baldwin Electric Light & Fuel Co.	GD.	Baldwin.	Baldwin.	Baldwin.	
21	Baraboo Gas & Electric Co.	GD.	Baraboo.	Baraboo.	Baraboo.	
22	Bark River Electric Light & Power Co.	GD.	Rome and Sullivan.	Rome.		Bark River.
23	Beaver Dam Light & Power Co.	HGD.	Dodge County.	Beaver Dam.	Beaver Dam.	
24	Horicon Light & Power Co., The.	D.	do.	Horicon.	Horicon.	
25	Belleville Milling & Electric Light Plant.	GD.	Belleville.	Belleville.		
26	Beloit Water, Gas & Electric Light Co.	GD.	Beloit and South Beloit, Ill.	Beloit.	Beloit.	
27	Benton Electric Light & Waterworks.	D.	Benton.	Benton.	Benton.	
28	Berlin Public Service Co.	GD.	Berlin.	Berlin.	Berlin.	
29	Birnamwood Electric Light Co.	GD.	Birnamwood.	Birnamwood.	Birnamwood.	
30	Bischel, L. J., Light Plant.	GD.	Dousman.	Dousman.	Dousman.	
31	Bloomer Electric Light & Power Co.	D.	Bloomer.	Bloomer.	Bloomer.	
32	Burkhardt Milling & Electric Power Co.	GD.		Hudson.	North Hudson.	Willow River.
33	Do.	GD.	St. Croix County.	Little Falls.	Hudson.	do.
34	Do.	GD.	Burkhardt.	Willow River Falls.	St. Joseph.	do.
35	Byllesby, H. M., & Co.	M.		Somerset.		
36	Apple River Power Co.	GTD.		St. Croix Falls.		
37	St. Croix Falls-Wisconsin Improvement Co.	GTD.	St. Croix Falls and Osceola.	St. Croix Falls.		
38	Calumet Service Co.	GD.	Chilton.	Chilton.	Chilton.	
39	Cambridge Light & Power Co.	GD.	Cambridge.	Cambridge.	Cambridge.	
40	Campbellsport Electric Light & Power Co.	GD.	Campbellsport and Dundee.	Campbellsport.	Campbellsport.	
41	Cazenovia Light & Power Co.	GD.	Cazenovia.	Cazenovia.	Cazenovia.	Little Baraboo River.
42	Chetek Light & Power Co.	GD.	Chetek.	Chetek.	Chetek.	Chetek River.
43	Clayton Electric Co.	GD.	Clayton.	Clayton.	Clayton.	
44	Commonwealth Power Co.	GD.	Milwaukee.	Milwaukee.	Milwaukee.	
45	Connor, R., Co.	GD.	Stratford.	Stratford.	Stratford.	
46	Connor Lumber & Land Co.	GD.	Laona.	Laona.	Laona.	
47	Coon Valley Milling Co.	D.	Coon Valley.	Coon Valley.	Coon Valley.	Coon Creek.
48	Consolidated Water Power & Paper Co.	GD.	Grand Rapids and Byron.	Grand Rapids.	Grand Rapids.	Wisconsin River.
49	Dahl Bros.	GD.	Iola.	Iola.	Iola.	
50	Darlington Electric Light & Water Power Co.	D.	Darlington.	Darlington.	Darlington.	
51	Davis Mill Co.	GD.	Galesville.	Galesville.	Galesville.	Beaver River.
52	De Fer, J. J., Electric Light Plant.	GD.	Saxon.	Saxon.	Saxon.	
53	Dells Paper & Pulp Co.	GD.	Eau Claire.	Eau Claire.		Chippewa River.
54	De Pere Electric Light & Power Co.	GD.	De Pere and West De Pere.	De Pere.		
55	Durand Light & Power Co.	GD.	Durand, Eau Galle, and Arkansas.	Durand.	Eau Galle.	Eau Galle.
56	Dwinell, B. E., Electric Light Co.	GD.	Amherst.	Amherst.	Amherst.	Waupaca River.
57	Eastern Wisconsin Railway & Light Co.	GTD.	Fond du Lac and North Fond du Lac.	Fond du Lac.		
58	Endeavor Light & Power Co.	GD.	Endeavor.	Endeavor.	Endeavor.	
59	Equitable Electric Light Co.	GD.	Genoa Junction and Williams Bay.	Lake Geneva.	Lake Geneva.	White River.
60	Fairwater Electric Light & Auto Co.	GD.	Fairwater.	Fairwater.		
61	Falls Light & Power Co.	GD.	Sheboygan Falls.	Sheboygan Falls.	Sheboygan Falls.	
62	Fish, C. W., Lumber Co.	GD.	Elcho.	Elcho.		
63	Fountain City Light & Power Co.	D.	Fountain City.	Fountain City.	Fountain City.	
64	Friendship Electric Light & Power Co.	GD.	Friendship and Adams.	Friendship.	Friendship.	Big Rochea Creek.
65	Gays Mills Electric Light & Power Co.	GD.	Gays Mills.	Gays Mills.	Gays Mills.	Kickapoo River.
66	Glenwood & Downing Light & Power Co.	GD.	Glenwood City and Downing.	Glenwood.	Glenwood City.	
67	Grafton Light, Heat & Power Co.	GD.	Grafton.	Grafton.	Grafton.	Milwaukee River.
68	Great Northern Pail Co.	GD.	Gillett.	Gillett.	Gillett.	
69	Green Bay & Mississippi Canal Co.	GTD.	Combined Locks.	Combined Locks.	Combined Locks.	Fox River.
70	Green Lake Electric Co.	D.	Green Lake.	Green Lake.	Green Lake.	
71	Grimh, Gothfried.	GD.	Frederic.	Frederic.	Frederic.	South Fork, Clam River.
72	Hillsboro Light & Power Co.		Hillsboro.	Hillsboro.	Hillsboro.	West Branch, Baraboo River.
73	Humphrey, A. G., Light Plant.	GD.	Rio.	Rio.	Rio.	
74	Humphrey, E., Electric Light & Flour Mill.	GD.	Delafield.	Delafield.		Bark River.
75	Hussa Bros. Electric Light & Power Plant.	GD.	Bangor.	Bangor.	Bangor.	
76	Hustiford Light, Power & Manufacturing Co.	GD.	Hustiford.	Hustiford.	Hustiford.	Rock River.
77	Iron River Water, Light & Telephone Co.	GD.	Iron River.	Iron River.	Iron River.	
78	Ironwood & Bessemer Railway & Light Co.	GD.	Ashland.	Ashland.		
79	Do.	GTD.	do.	do.	Ashland.	White River.
80	Island Woolen Co.	GD.	Baraboo.	Baraboo.	Baraboo.	Baraboo River.
81	Janesville Electric Co.	HGTD.	Fulton.	Fulton.	Fulton.	Yahara River.
82	Do.		Rock County.	Indian Ford.	S. 16-21, T. 4 N., R. 12 E.	Rock River.
83	Edgerton Electric Light Co.	D.	Edgerton.	Edgerton.		
84	Kewaskum Electric Light Co.	GD.	Kewaskum.	Kewaskum.	Kewaskum.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## WISCONSIN—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
9		7,200				5,000	\$0.09 — \$0.03	\$0.06 — \$0.007		C. Mc.
10		2,500				1,700	.09 — .03	.06 — .007		C. Mc.
11		650	400	400		600				Mc.
12		800				500	.09 — .03	.06 — .0075		C.
13			2,650	3,125	170	2,000			Wisconsin Railway, Light & Power Co.	C. Mc.
14		2,200				1,200	.09 — .03	.06 — .0075		C. Mc.
15									Apple River Milling Co.	C. Mc.
16	Private		825	600		595	.12 — .06	.10 — .03		C. M. Mc.
17	Do.	210				115				C.
18	Do.		60	70		60	.10 — .07	.10 — .07		C. M. Mc.
19			100	195		140	.12 — .06		Wisconsin-Minnesota Light & Power Co.	C. Mc.
20										Mc.
21	Private		115	100		60				C. M. Mc.
22	Do.	150	450	235		287	.15 — .10	.07 — .03		C. Mc.
23			400	125		212	.15 — .07	.08 — .03		C. M. Mc.
24			600	600		505	.15 — .07	.08 — .03	Beaver Dam Light & Power Co.	C. M. Mc.
25		40				16				Mc.
26	Private	275	1,200	2,667		2,200	.12 — .04	.04 — .015		C. M. Mc.
27									Interstate Light & Power Co.	Mc.
28			950	900	750	1,400				Mc.
29			250	150		55				Mc.
30					15	7½	.125 — .08	.06 — .03	Wisconsin-Minnesota Light & Power Co.	Mc.
31										C. Mc.
32	Private	425				300	.10 — .08	.05		C. M. Mc.
33	Do.	250				150	.10 — .08	.05		C.
34	Do.	1,000				750				C.
35		1,600				975				M. Mc.
36		25,200				15,000				M. Mc.
37			250	210		175				Mc.
38						29				Mc.
39					175	125				Mc.
40	Private	80				30	.10			C. Mc.
41		75				60				C. Mc.
42	Private				12	5				C. Mc.
43			3,000	6,500		5,500		.035 — .01		C. Mc.
44	Private		160	57		40	.15			C. Mc.
45										M.
46	Private	80				150	.125			C. Mc.
47		10,000				2,700	.015			C. Mc.
48	Private		110	150		105				C. Mc.
49									Interstate Light & Power Co.	Mc.
50	Private	180				90	.08			C. Mc.
51			300	50		35				Mc.
52		1,000								O.
53		286				200			Green Bay Traction Co.	Mc.
54	Private	515				350	.04	.05 — .03		C. Mc.
55	Do.	85				60	.10			C. Mc.
56	Do.		1,620	2,950		3,150	.108 — .054	.078 — .027		C. M. Mc.
57					20	15				C. Mc.
58	Private	150	550	400		350	.15 — .06	.075 — .03		C. Mc.
59		30				65				Mc.
60			300	200		90	.15 — .06	.10 — .06		C. Mc.
61	Private		150	90		25				C. Mc.
62									Wisconsin Railway, Light & Power Co.	Mc.
63		100				110	.15 — .08			C. Mc.
64	Private	100				75	.10	.05 — .03		C. Mc.
65	Do.		100	90		75	.12			C. Mc.
66	Do.	115				250	.12 — .03	.10 — .03	Milwaukee Northern R. R. Co.	C. Mc.
67			160	225		(135)				Mc.
68		6,100	2,250	900						C.
69							.16 — .10	.10 — .06	Ripon Light & Water Co.	C. Mc.
70	Private	75				45	.10			C.
71	Do.	75	100	40		30				C. Mc.
72			65	65		60				Mc.
73		26			20	20				C. Mc.
74	Private		355	135		115	.12 — .08			C. Mc.
75		150	80	50		100	.12	.08		C. Mc.
76	Private		175	275		308				C. Mc.
77			500	500		325	.12 — .06	.10 — .02		C. Mc.
78	Private	1,200				1,000	.12 — .06	.10 — .02		C. Mc. O.
79	Do.	250				45	.09	.08 — .02		C.
80		369				150	.10 — .05	.05 — .02		C.
81		211				85	.10 — .05	.05 — .02		C. M. Mc.
82									Janesville Electric Co.	C. M. Mc.
83			(70)	80		(50)				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,  
WISCONSIN—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
84	Ladysmith Lighting Co.....	GD.....	Ladysmith.....	Ladysmith.....	La Farge.....	Kickapoo River.....
85	La Farge Electric Co.....	GD.....	La Farge.....	La Farge.....	La Farge.....	Kickapoo River.....
86	Lancaster Light & Power Co.....	GD.....	Fennimore, Boscobel, and Lancaster.	Lancaster.....	Lancaster.....	Kickapoo River.....
87	Larson & Sons.....	GD.....	Colfax.....	Colfax.....	Colfax.....	La Farge.....
88	La Valle Electric Light Co.....	GD.....	La Valle.....	La Valle.....	La Valle.....	La Farge.....
89	Liebscher & Shaefer.....	GD.....	Thiensville.....	Thiensville.....	Thiensville.....	Thiensville.....
90	Little Wolf River Lumber Co.....	GD.....	Manawa.....	Manawa.....	Manawa.....	Manawa.....
91	Lomira Electric Light & Power Co.....	GD.....	Lomira.....	Lomira.....	Lomira.....	Lomira.....
92	McGowan Water, Light & Power Co.....	GD.....	Milton Junction.....	Milton Junction.....	Milton Junction.....	Milton Junction.....
93	Manitowoc & Northern Traction Co.....	GTD.....	Manitowoc.....	Manitowoc.....	Manitowoc.....	Manitowoc.....
94	Martintown Electric Light & Power Co.....	GD.....	Martintown and Winslow, Ill.	Martintown.....	Martintown.....	Martintown.....
95	Mauston Electric Service Co.....	GD.....	Mauston.....	Mauston.....	Mauston.....	Lemonweir River.....
96	Medford Light & Heating Co.....	GD.....	Medford.....	Medford.....	Medford.....	Medford.....
97	Mellen Water & Light Co.....	GD.....	Mellen.....	Mellen.....	Mellen.....	Bad River.....
98	Menasha Woodenware Co.....	GD.....	Ladysmith.....	Ladysmith.....	Ladysmith.....	Flambeau River.....
99	Menasha Paper Co.....	GD.....	Ladysmith.....	Ladysmith.....	Ladysmith.....	Flambeau River.....
99	Menomonee Falls Electric Light Co.....	GD.....	Menomonee Falls.....	Menomonee Falls.....	Menomonee Falls.....	Menomonee Falls.....
100	Merrill Railway & Lighting Co.....	GTD.....	Merrill.....	Merrill.....	Merrill.....	Wisconsin River.....
100	Middle West Utilities Co.....	H.....	Merrill.....	Merrill.....	Merrill.....	Wisconsin River.....
101	Illinois Northern Utilities Co.....	GD.....	Fontana and Walworth.....	Walworth.....	Walworth.....	Walworth.....
102	Milton Water, Light & Power Co.....	D.....	Milton.....	Milton.....	Milton.....	Milton.....
103	Milwaukee Northern Railway Co.....	GTD.....	Cedar Grove, Grafton, and Postburg.	Port Washington.....	Port Washington.....	Port Washington.....
104	Mineral Point Public Service Co.....	GD.....	Iowa and Grant Counties.....	Mineral Point.....	Mineral Point.....	Mineral Point.....
105	Mishicot Electric Light & Power Co.....	GD.....	Mishicot.....	Mishicot.....	Mishicot.....	Mishicot.....
106	Mondovi Light & Power Co.....	GD.....	Mondovi.....	Mondovi.....	Mondovi.....	Whelan and Ford Creeks.....
107	Monroe Electric Co.....	GD.....	Monroe.....	Monroe.....	Monroe.....	Monroe.....
108	Montello Granite Co.....	GD.....	Montello.....	Montello.....	Montello.....	Montello.....
109	Mosinee Electric Light & Power Co.....	D.....	Mosinee and Kronenwetter.....	Mosinee.....	Mosinee.....	Mosinee.....
110	Mt. Horeb Heat, Light & Power Co.....	GD.....	Mount Horeb.....	Mount Horeb.....	Mount Horeb.....	Mount Horeb.....
111	Murdock Electric Light Co.....	GD.....	Bristol.....	Bristol.....	Bristol.....	Bristol.....
112	Necedah Milling & Electric Co.....	GD.....	Necedah.....	Necedah.....	Necedah.....	Yellow River.....
113	Neillsville Electric Co.....	GD.....	Neillsville.....	Neillsville.....	Neillsville.....	Neillsville.....
114	Nekoosa-Port Edwards Paper Co.....	GD.....	Nekoosa.....	Nekoosa.....	Nekoosa.....	Nekoosa.....
115	Do.....	GD.....	Port Edwards.....	Port Edwards.....	Port Edwards.....	Port Edwards.....
116	Do.....	GD.....	do.....	do.....	do.....	do.....
117	Neshkoro Light & Power Co.....	GD.....	Marquette and Waushara Counties.	Neshkoro.....	Neshkoro.....	White River.....
118	Neshonoc Electric Light & Power Co.....	GD.....	West Salem.....	West Salem.....	West Salem.....	West Salem.....
119	Newell, S. D., Light Plant.....	GD.....	Seymour.....	Seymour.....	Seymour.....	Seymour.....
120	New Richmond Roller Mills Co.....	GD.....	New Richmond, No. 1.....	New Richmond, No. 1.....	New Richmond, No. 1.....	Apple River.....
121	Do.....	GD.....	New Richmond, Star Prairie, and Deer Park.	New Richmond, No. 2.....	New Richmond, No. 2.....	do.....
122	Do.....	GD.....	do.....	New Richmond.....	New Richmond.....	do.....
123	Newtons, O. I., Sons Co.....	GD.....	Sparta.....	Sparta.....	Sparta.....	Sparta.....
124	North American Co.....	H.....	Sparta.....	Sparta.....	Sparta.....	Sparta.....
124	Milwaukee Electric Railway & Light Co.....	GTD.....	Jefferson, Milwaukee, Walworth, Waukesha, Racine, Washington counties.....	Commerce Street.....	Milwaukee.....	Milwaukee.....
125	Do.....	GTD.....	do.....	Oneida Street.....	do.....	do.....
126	Do.....	GTD.....	Milwaukee.....	Public Service Building.....	do.....	do.....
127	Milwaukee Light, Heat & Traction Co.....	GTD.....	Racine and Kenosha.....	Racine.....	Racine.....	Racine.....
128	North Milwaukee Light & Power Co.....	D.....	North Milwaukee.....	North Milwaukee.....	North Milwaukee.....	North Milwaukee.....
129	Wells Power Co.....	GD.....	Milwaukee.....	Milwaukee.....	Milwaukee.....	Milwaukee.....
130	Wisconsin Gas & Electric Co.....	GD.....	Burlington.....	Burlington.....	Burlington.....	White River.....
131	Do.....	GD.....	Kenosha.....	Kenosha.....	Kenosha.....	Kenosha.....
132	Do.....	GD.....	Watertown.....	Watertown.....	Watertown.....	Rock River.....
133	Northwestern Iron Co.....	D.....	Mayville.....	Mayville.....	Mayville.....	Mayville.....
134	Northwestern Light & Power Co.....	D.....	Mayville.....	do.....	Mayville.....	Mayville.....
135	Northwestern Lumber Co.....	GD.....	Stanley.....	Stanley.....	Stanley.....	Stanley.....
136	Oakfield Light & Power Co.....	D.....	Oakfield.....	Oakfield.....	Oakfield.....	Oakfield.....
137	Oconomowoc River Power Co.....	GD.....	Oconomowoc.....	Oconomowoc.....	Oconomowoc.....	Oconomowoc River.....
138	Oconto Electric Co.....	GD.....	Oconto.....	Oconto.....	Oconto.....	Oconto.....
139	Omro Electric Light Co.....	GD.....	Omro.....	Omro.....	Omro.....	Omro.....
140	Oostburg Light, Heat & Power Co.....	GD.....	Oostburg.....	Oostburg.....	Oostburg.....	Oostburg.....
141	Oshkosh Gas Light Co.....	GD.....	Oshkosh.....	Oshkosh.....	Oshkosh.....	Oshkosh.....
142	Oslo Light & Power Co.....	GD.....	Manitowoc County.....	Manitowoc.....	Manitowoc.....	Manitowoc.....
143	Owen, Jno. S., Lumber Co.....	GD.....	Owen.....	Owen.....	Owen.....	Owen.....
144	Paramount Power & Realty Co.....	GD.....	Beaver Dam.....	Beaver Dam.....	Beaver Dam.....	Beaver Dam.....
145	Pardeeville Electric Light Co.....	GD.....	Pardeeville.....	Pardeeville.....	Pardeeville.....	Pardeeville.....
146	Park Falls Water, Light & Power Co.....	GD.....	Park Falls.....	Park Falls.....	Park Falls.....	Flambeau River.....
147	Paustian, F., Milling Co.....	GD.....	Brillion.....	Brillion.....	Brillion.....	Brillion.....
148	Pederson Bros. Co.....	GD.....	Luck.....	Luck.....	Luck.....	Luck.....
149	Peoples Land & Manufacturing Co.....	D.....	Oconto.....	Oconto.....	Oconto.....	Oconto.....
150	Peshtigo Lumber Co.....	GD.....	Peshtigo and Oconto.....	Peshtigo.....	Peshtigo.....	Peshtigo River.....
151	Phillips Light, Water, Heat & Power Co.....	GD.....	Phillips.....	Phillips.....	Phillips.....	Phillips.....
152	Plankinton Electric Light & Power Co.....	D.....	Milwaukee.....	Milwaukee.....	Milwaukee.....	Milwaukee.....



## WISCONSIN—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
84		250				320				Mc.
85	Private.....	125				99	\$.05			C. Mc.
86	Do.....		200	190		200	\$0.125 - .065	\$0.08 - \$0.03	Interstate Light & Power Co.	C. Mc.
87		85			50	200				Mc.
88		160				25				Mc.
89					27	15				Mc.
90		160				100				Mc.
91	Private.....				40	25	.16	.16		C. Mc.
92					32	22			Janesville Electric Co.	Mc.
93	Private.....		350	350		400	.10	.06 - .01		C. M. Mc.
94		(125)				75				Mc.
95	Private.....	190	150	150		100	.165	.05 - .02		C. Mc.
96			140	160		107½	.10 - .06			C. Mc.
97		215	65	45	55	180	.10 - .04			C. M. Mc.
98		3,000	1,600	500					Ladysmith Lighting Co.	C. O.
99	Private.....				50	60	.12			C. Mc.
100	Do.....	3,900	400	250		450	.10 - .03	.10 - .02		C. M. Mc. O
101			800	800		450				C.
102							.20 - .15	.10	Janesville Electric Co.	C. Mc.
103	Private.....				4,000	2,000	.10 - .03	.10 - .01416		C. M. Mc.
104	Do.....		2,000	4,500		3,350	.14 - .04	.08 - .02		C. Mc.
105		92				40				Mc.
106	Private.....	137	75	80	70	87½	.13	.04		C. Mc.
107			500	800		250				Mc.
108		250	200	150		164				Mc.
109	Private.....						.12 - .07	.10 - .05	Warsaw Sulphate Fibre Co.	C. Mc.
110					12	6				C. Mc.
111						50	.15 - .10			Mc.
112	Private.....	200	125	120						C. Mc.
113			125	125		100				Mc.
114		10,700								O.
115			(50)	(80)		50				Mc.
116						225	.10 - .05	.05 - .04		C. Mc.
117	Private.....	300								
118		150				60				Mc.
119			100	85		110				Mc.
120	Private.....	1,200				800	.10	.05		C. Mc.
121	Do.....	300				200				C.
122	Do.....		(400)	400		400	.10	.05		C.
123		485	150	125		350				Mc.
124	Private.....		16,984	83,000		66,775	.1045- .01	.057- .01	Southern Wisconsin Power Co.	C.
125	Do.....		4,438	6,370		4,750	.1045- .01	.057- .01	Wisconsin River Power Co.	C. M. Mc.
126	Do.....		4,000	6,030		4,500	.1045- .01	.057- .01		C. Mc.
127	Do.....		2,500	12,060		9,875	.1045- .01	.057- .01	T. M. E. R. & L. Co.	C. Mc.
128									Milwaukee Electric Railway & Light Co.	C. Mc.
129	Private.....		2,450	2,000		1,550	.10 - .04	.06 - .01		C. Mc.
130	Do.....	150	450	300		325	.11 - .05	.06 - .01	Milwaukee Light, Heat & Traction Co.	C. Mc.
131	Do.....		1,140	2,595		2,125	.12	.08	do.	C. M. Mc.
132	Do.....	300				900	.12 - .05	.08 - .01	Milwaukee Electric Railway & Light Co.	C. Mc.
133										O.
134									Northwestern Iron Co.	C. Mc.
135			300	200		180				Mc.
136	Private.....						.20 - .09	.07 - .06	Eastern Wisconsin Railway & Light Co.	C. Mc.
137	Do.....	100				75	.02			C. Mc.
138			300	150	120	175	.07 - .02	.05 - .015		C. Mc.
139	Private.....		75	65		57	.16 - .09			C. Mc.
140	Do.....				12	7½	.15		Milwaukee Northern R. R.	C. Mc.
141			1,875	2,000		1,500	.12	.10 - .08		C. M. Mc.
142		195	125	80		50				Mc.
143	Private.....		250	140		133	.13			C. Mc.
144	Do.....									C.
145	Do.....	60	60	60		80	.10 - .06	.10 - .06		C.
146	Do.....	280				125	.12	.12		C. Mc.
147					165	150	.12 - .05	.03	Wisconsin Electric Service Co.	C. Mc.
148			75	50		45				Mc.
149									Peshtigo Lumber Co.	Mc.
150		480				440				Mc. O.
151			450	750		440				Mc.
152										Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## WISCONSIN—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
153	Portage Electric Light & Power Co.	GD	Portage	Portage	Portage	
154	Prairie City Electric Co.	GD	Prairie du Chien	Prairie du Chien	Prairie du Chien	
155	Proctor, W. C.	GD	Scandinavia, Iola, and Waupaca.	Scandinavia	Scandinavia	Little Wolf River
156	Railway Exchange Building Co.			Milwaukee		
157	Random Lake Light & Power Co.	GD	Random Lake	Random Lake	Random Lake	
158	Red Cedar Valley Electric Co.	GD	Rice Lake, Cameron, and Barron.	Rice Lake	Rice Lake	Red Cedar River
159	Rhineland Light Co.	D	Rhineland		Rhineland	
160	Rhineland Power Co.	GTD	do.	Rhineland	do.	Wisconsin River
161	Richards Bros. Light Plant.	GD	Gresham	Gresham		
162	Ripon Light & Water Co.	GD	Ripon and Green Lake.	Ripon	Ripon	
163	River Falls Power Co.	GD	Prescott	Prescott		
164	Rose Milling Co.	GD	Wild Rose	Wild Rose	Wild Rose	Pines River
165	Sheboygan Light, Power & Railway Co.	H				
166	Sheboygan Railway & Electric Co.	GTD	Sheboygan and Elkhart.	Sheboygan	Sheboygan	
166	Soldiers Grove Electric Co.	GD	Soldiers Grove	Soldiers Grove	Soldiers Grove	Kickapoo River
167	Southern Wisconsin Power Co.	GTD	Milwaukee, Portage, and Kilbourn.	Kilbourn	Kilbourn	Wisconsin River
168	Starks & Skeel Milling & Electric Co.	GD	Plainfield	Plainfield	Plainfield	
169	Stevens Point Lighting Co.	GD	Stevens Point	Stevens Point		
170	Superior Water, Light & Power Co.	GD	Superior and Itasca.	Superior	Superior	
171	Theresa Electric Light & Power Co.	D	Theresa		Theresa	
172	Tomahawk Light, Telephone & Improvement Co.	GD	Tomahawk	Tomahawk	Tomahawk	Tomahawk River
173	Do.	GD	do.	do.	do.	
174	Tomah Electric & Telephone Co.	GD	Tomah	Tomah	Tomah	
175	United Heat, Light & Power Co.	GD	Delavan	Delavan	Delavan	
176	Do.	GD	Sharon	Sharon	Sharon	
177	Viola Light & Power Co.	GD	Viola	Viola		
178	Viroqua Electric Light Co.	GD	Viroqua	Viroqua	Viroqua	
179	Voeck, A. H., Light Plant.	GD	North Freedom	North Freedom	North Freedom	
180	Warren, George, Co.	GD	Warrens	Warrens	Warrens	
181	Washburn Electric Light & Power Co.	D	Washburn	Washburn	Washburn	
182	Waupaca Electric Light & Ry. Co.	GTD	Waupaca	Waupaca	Waupaca	Waupaca River
183	Wausau Street Railroad Co.	GTD	Wausau, Schofield, and Rothschild.	Wausau	Wausau	Wisconsin River
184	Wausau Sulphate Fibre Co.			Mosinee		
185	West Bend Heating & Lighting Co.	GD	West Bend	West Bend	West Bend	Milwaukee River
186	Westboro Lumber Co.	GD	Westboro	Westboro	Westboro	
187	Westfield Milling and Electric Light Co.	GD	Westfield	Westfield	Westfield	
188	Weyauwega Electric Light Co.	GD	Weyauwega	Weyauwega	Weyauwega	Waupaca River
189	Whitewater Electric Light Co.	GD	Whitewater	Whitewater	Whitewater	
190	Willow River Lumber Co.	H				
190	Hayward Electric Light & Power Co.	GD	Hayward	Hayward	Hayward	Namekagon River
191	Wilton Light & Power Co.	GD	Wilton	Wilton		
192	Winneconne Heat, Light & Power Co.	GD	Winneconne	Winneconne	Winneconne	
193	Wisconsin Electric Railway Co.	GD	Oshkosh	Oshkosh	Oshkosh	
194	Wisconsin Foundry & Steel Co.	GD	Cedar Grove	Cedar Grove	Cedar Grove	
195	Wisconsin Log & Manufacturing Co.	GD	Boyd	Boyd	Boyd	
196	Wisconsin Railway, Light & Power Co.	GTD	La Crosse, Wis. and Winona, Minn.	Hatfield	Hatfield	Black River
197	Wisconsin River Power Co.	GTD	Milwaukee, Sauk, Dane, and Columbia Counties.	Prairie du Sac	Prairie du Sac	Wisconsin River
	Wisconsin Securities Co.	H				
198	Wisconsin Public Service Co.		Brown, Marinette, Outagamie, and Calumet Counties.	Green Bay	Green Bay	
199	Do.	GD		High Falls	Crivitz	Peshtigo River
200	Wisconsin Traction, Light, Heat & Power Co.	GTD	Appleton, Neshah, and Menasha.	Appleton		
201	Wittenberg Electric Co.	GD	Wittenberg, Eland, and Elderon.	Wittenberg	Wittenberg	Embarrass River

## B.—MUNICIPAL PLANTS.

202		GD	Algoma	Algoma	Algoma	
203		GD	Arcadia	Arcadia	Arcadia	
204		GD	Argyle	Argyle	Argyle	
205		GD	Barron	Barron	Barron	Yellow River
206		GD	Bayfield	Bayfield	Bayfield	
207		GD	Belmont	Belmont	Belmont	
208		GD	Black River Falls	Black River Falls	Black River Falls	
209		GD	Blair	Blair	Blair	
210		GD	Blanchardville	Blanchardville	Blanchardville	
211		D	Boscobel	Boscobel	Boscobel	
212		GD	Brodhead	Brodhead	Brodhead	Sugar River
213		GD	Browntown	Browntown	Browntown	
214		GD	Bruce	Bruce	Bruce	
215		D	Cadott	Cadott	Cadott	
216		GD	Cashton	Cashton	Cashton	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## WISCONSIN—Continued.

## A.—PUBLIC UTILITY PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
153	Private.....		(750)	(1,200)		720	\$0.12 - \$0.08	\$0.045-\$0.0125	Southern Wisconsin Power Co.	C. Mc.
154	Do.....		300	350		225	.10 - .08	.04 - .025		C. Mc.
155	Do.....	50								C. Mc.
156	Private.....				34	27½				P.
157	Do.....	575			250	570	.09	.02		C. Mc.
158	Private.....	2,100				400			Rhinelander Power Co.	Mc.
160	Do.....	(170)				100				C. Mc.
161	Private.....		450	875		500	.16 - .06	.09 - .027		Mc.
162	Do.....	280				160				C. M. Mc.
163	Private.....	70				30	.17 - .05			Mc.
164	Do.....	1,250		3,250		2,450	.12 - .06	.10 - .01		C. Mc.
165	Private.....	100	110	45		75				C. Mc.
166	Do.....	11,000				6,000	.015 - .006			C. M. Mc. O.
167	Private.....				100	60				Mc.
168	Do.....	550				450				Mc.
169	Private.....		1,500	3,350		1,500	.10		Great Northern Power Co. Northwestern Electric Light & Power Co.	M. Mc.
170	Do.....	300				150	.12 - .036	.10 - .025		C. Mc.
171	Do.....		150	200		125	.12 - .036	.10 - .025		C.
172	Private.....		160	120		102			Union Tanning Co. do. Steam from C. M. Goodyear Lumber Co.	Mc.
173	Do.....		600	300		220				Mc.
174	Do.....		200	75		60				Mc.
175	Private.....	190				75				Mc.
176	Do.....		150	150	150	200				Mc.
177	Private.....				25	20	.15			C. Mc.
178	Do.....		100	80	18	(100)				Mc.
179	Private.....						.10 - .06	.08 - .01	Ashland Light, Power & Steam Ry. Co.	C. Mc.
180	Do.....	210	160	165		325	.20 - .06			C. Mc.
181	Do.....	2,800	600	1,000		1,300	.10 - .015	.10 - .0125		C. M. Mc. O.
182	Private.....	135	600	150		250	.11 - .06	.06 - .015		C. Mc.
183	Do.....		150	35		37½				C. Mc.
184	Private.....	100				50				Mc.
185	Do.....	150				75	.10	.10 - .01		C. Mc.
186	Private.....		275	385	6	300	.13 - .05	.10 - .03		C. Mc.
187	Do.....	300				312	.12			C. Mc.
188	Private.....	35				25				Mc.
189	Do.....				110	70				C. Mc.
190	Private.....		(1,500)	1,800		950			Wisconsin Traction, Light, Heat & Power Co.	C.
191	Do.....				15	40	.15			C. Mc.
192	Private.....		100	65		37½				Mc.
193	Do.....	8,000				4,800	.10 - .03	.06 - .01		C. M. O.
194	Private.....	25,000				18,000	.02 - .004	.02 - .004		C. Mc. O.
195	Do.....		1,400	2,470		1,500				C. M. Mc.
196	Private.....	8,000				5,000	.12 - .025	.10 - .01		C. M. Mc. O.
197	Do.....	2,550	1,380	5,330		4,500				M. Mc.
198	Private.....	254	120	100		234	.12 - .08	.04		C. Mc.
199	Total, A.....	155,930	77,887	177,540	7,268	219,248				

## B.—MUNICIPAL PLANTS.

202	Private.....		310	150		75	\$0.11			Mc.
203	Do.....		180	216		166				C. Mc.
204	Private.....	85				60				Mc.
205	Do.....	140			33	90	.08 - .05			C. Mc.
206	Private.....		300	250		190	.08 - .04	\$0.04		C. Mc.
207	Do.....		100	85		75				Mc.
208	Private.....	350				450				Mc.
209	Do.....	(50)	100	100		50				Mc.
210	Private.....	4*	150	100		150				Mc.
211	Do.....								Lancaster Light & Power Co.	C. Mc.
212	Private.....	200	125	125		140	.11 - .07	\$0.07 - .03		C. Mc.
213	Do.....				30	80				Mc.
214	Private.....		85	70		30			Wisconsin-Minnesota Light & Power Co.	Mc.
215	Do.....									Mc.
216	Private.....		125	(125)		75				Mc.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## WISCONSIN—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
217		GD	Cassville	Cassville	Cassville	
218		GD	Cedarburg	Cedarburg	Cedarburg	
219		GD	Clintonville	Clintonville	Clintonville	
220		GD	Colby	Colby	Colby	
221		GD	Columbus	Columbus	Columbus	
222		GD	Crandon	Crandon	Crandon	
223		D	Cuba City	Cuba City	Cuba City	
224		GD	Cumberland	Cumberland	Cumberland	
225		GD	Eagle River	Eagle River	Eagle River	Eagle and Wisconsin Rivers.
226		GD	Elkhorn	Elkhorn	Elkhorn	
227		GD	Elroy	Elroy	Elroy	
228		GD	Evansville	Evansville	Evansville	
229		GD	Fennimore	Fennimore	Fennimore	
230		GD	Florence and Commonwealth	Florence	Florence	
231		GD	Fort Atkinson	Fort Atkinson	Fort Atkinson	
232		GD	Grand Rapids	Grand Rapids	Grand Rapids	
233		GD	Grantsburg	Grantsburg	Grantsburg	
234		GD	Greenwood	Greenwood	Greenwood	
235		GD	Hartford	Hartford	Hartford	
236		D	Hazel Green	Hazel Green	Hazel Green	
237		GD	Independence	Independence	Independence	
238		GD	Jefferson	Jefferson	Jefferson	
239		D	Juneau	Juneau	Juneau	
240		GD	Kaukauna	Kaukauna	Kaukauna	
241		GD	Kewaunee	Kewaunee	Kewaunee	
242		D	Kilbourne	Kilbourne	Kilbourne	
243		GD	Lake Mills	Lake Mills	Lake Mills	
244		GD	Lodi	Lodi	Lodi	
245		GD	Loyal	Loyal	Loyal	
246		GD	Manitowoc	Manitowoc	Manitowoc	
247		GD	Marshfield	Marshfield	Marshfield	
248		GD	Mazomanie	Mazomanie	Mazomanie	
249		GD	Menasha	Menasha	Menasha	
250		GD	Merrillan	Merrillan	Merrillan	
251		GD	Minocqua	Minocqua	Minocqua	
252		GD	Monticello	Monticello	Monticello	
253		GD	Muscoda	Muscoda	Muscoda	
254		GD	New Glarus	New Glarus	New Glarus	
255		GD	New Holstein	New Holstein	New Holstein	
256		GD	New Lisbon	New Lisbon	New Lisbon	
257		GD	New London	New London	New London	
258		D	New Richmond	New Richmond	New Richmond	
259			Oconomowoc	Oconomowoc	Oconomowoc	
260		GD	Oconto Falls	Oconto Falls	Oconto Falls	
261		GD	Plymouth	Plymouth	Plymouth	
262		GD	Port Washington	Port Washington	Port Washington	
263		GD	Princeton	Princeton	Princeton	Teske's Ditch
264		GD	Randolph	Randolph	Randolph	
265		GD	Reedsburg	Reedsburg	Reedsburg	
266		GD	Reedsville	Reedsville	Reedsville	
267		GD	Rib Lake	Rib Lake	Rib Lake	
268		GD	Richland Center	Richland Center	Richland Center	
269		GD	River Falls	River Falls	River Falls	
270		D	Sauk City	Sauk City	Sauk City	
271		GD	Shawano and Richmond	Shawano	Shawano	
272		GD	Shell Lake	Shell Lake	Shell Lake	
273		GD	South Wayne	South Wayne	South Wayne	
274		GD	Spooner	Spooner	Spooner	
275		GD	Spring Green	Spring Green	Spring Green	
276		GD	Stoughton	Stoughton	Stoughton	Yahara River
277		GD	Sturgeon Bay	Sturgeon Bay	Sturgeon Bay	
278		GD	Sun Prairie	Sun Prairie	Sun Prairie	
279		GD	Thorp	Thorp	Thorp	
280		GD	Two Rivers	Two Rivers	Two Rivers	
281		GD	Waterloo	Waterloo	Waterloo	
282		GD	Waupun	Waupun	Waupun	
283		GD	Westby	Westby	Westby	
284		GD	Whitehall	Whitehall	Whitehall	Trempealeau River
285		GD	Withee	Withee	Withee	
286		GD	Wonewoc	Wonewoc	Wonewoc	

## C.—ALL OTHER PLANTS.

287	Arpin Hardwood Lumber Co.			Atlanta, No. 1	Atlanta	Chippewa River
288	Do			Atlanta, No. 2	do	do
289	Do			Atlanta, No. 3	do	do
290	Bradley Estate			Grandmother Falls		Wisconsin River
291	Do			Kings		do
292	Do			Nigger Island		do



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## WISCONSIN—Continued.

## B.—MUNICIPAL PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
217			250	50		45				Me.
218			350	600		425				Me.
219	Private		200	270		190	\$0.10	\$0.07 - \$0.03		C. Me.
220	Do.		80	75		50	.10			C. Me.
221	Do.		230	260		225	.10	.05		C. Me.
222			90	130		75				Me.
223									Interstate Light & Power Co.	Me.
224	Private		160	280		175				C. Me.
225			300			200				C. Me.
226			350	325		175				Me.
227			250	175		150				Me.
228	Private		200	200		175	\$0.11- .05	.05 - .045		C. Me.
229			200	95		50			Lancaster Light & Power Co.	Me.
230	Private		160	180		120	.10- .04			C. Me.
231			270	350		200	.10- .03		Milwaukee Light, Heat & Traction Co.	C. Me.
232			200	200		250	.10- .025	0.24	Consolidated Water Power & Paper Co.	C.
233	Private		90	87		50	.10			C. Me.
234		100				60				Me.
235	Private		375	725		490	.10	.07		C. Me.
236									Interstate Light & Power Co.	Me.
237			158	(60)		37½				Me.
238		100	300	330		275				Me.
239	Private						.12		Horicon Light & Power Co.	C. Me.
240		355	300	250		235				Me.
241			200	200		125				Me.
242									Southern Wisconsin Power Co.	Me.
243	Private		200	150		104	.15- .06	.08 - .04	Milwaukee Electric Railway & Light Co.	C. Me.
244	Do.		130	100		45	.15			C. Me.
245					85	50				Me.
246	Private		700	900	150	770	.12- .07	.10 - .05		C. Me.
247	Private		600	1,000		700	.10	.07 - .0275		C. Me.
248			70	50		50				Me.
249					525	460				Me.
250		150				50				Me.
251					24	20				Me.
252			100	85		60				C. Me.
253		125				100				Me.
254			250	175		125	.10	.06 - .04		C. Me.
255					218	150	.12- .09			C. Me.
256	Private				75	50	.15			C. Me.
257			250	250		195				Me.
258									New Richmond Power Co.	Me.
259	Private		300	700		420	.10- .08	.05	Oconomowoc River Power Co.	C.
260			160	100		105				Me.
261			300	560		375				Me.
262			300	300		225	.08- .07	.07 - .03		C. Me.
263	Private	140	100	85		60	.12- .08			C. Me.
264	Do.		100	200		145	.10			C. Me.
265			160	420		250				Me.
266					60	45	.09			C. Me.
267	Private		100	100		60				C. Me.
268	Do.		375	300		250	.10	.08 - .05		C. Me.
269		300				250				Me.
270									Wisconsin River Power Co.	C. Me.
271	Private		500	250		275				C. Me.
272			160	175		(100)				Me.
273					25	20				Me.
274		60				75				Me.
275	Private		200	85		75	.11			C. Me.
276	Do.	540	150	133		390	.10- .06	.08 - .05		C. Me.
277	Do.		525	375		210	.09	.05		C. Me.
278			125	150		100				Me.
279			185	100		60				Me.
280			250	285		250	.09	.04		C. Me.
281			250	125		125				Me.
282			300	375		232				Me.
283			100	80		37				Me.
284	Private	100				60	.06		Whitehall Mill & Power Co.	C. Me.
285			60	55		50				Me.
286			125	83		75				Me.
Total, B.		3,143	13,013	13,809	1,225	12,656				

## C.—ALL OTHER PLANTS.

287										M.
288		3,500								O.
289										M.
290										O.
291		250								O.
292										O.

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

## WISCONSIN—Continued.

## C.—ALL OTHER PLANTS—Continued.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
293	Centralia Pulp & Water Power Co.			Grand Rapids.		Wisconsin River
294	Chicago, Harvard & Geneva Lake Ry. Co.	G.	Electric railway	Walworth.	Walworth.	
295	Combined Locks Paper Co.		Manufacturing.	Combined Locks.	S. 24, T. 21 N., R. 18 E.	Fox River
296	Consolidated Water Power & Paper Co.	G.	do.	Birron.	Birron.	Wisconsin River
297	Grandfather Falls Co.		do.	Merrill.	Merrill.	do.
298	Hackley-Phelps-Bonnell Co.	G.	Electric lighting.	Hackley.	Hackley.	
299	Kaukauna Fiber.		Manufacturing.	Kaukauna.	Kaukauna.	Fox River
300	Kimberly-Clark Co.			Appleton No. 1.	Appleton.	Menomonic and Fox Rivers.
301	Do.			Appleton, No. 2.	do.	
302	Do.			Kimberly.	Kimberly.	
303	Do.			Neenah, No. 1.	Neenah.	
304	Do.			Neenah, No. 2.	do.	
305	Do.			Niagara.	Niagara.	
306	Lindauer-O'Connell Co.		Little Rapids and vicinity.	Little Rapids.	Little Rapids.	Fox River
307	Lindaur Pulp Co.		Manufacturing.	Kaukauna.	Kaukauna.	do.
308	Little Chute Pulp Co.		do.	Little Chute.	Little Chute.	do.
309	Marathon Paper Mills Co.	G.	do.	Weston.	Weston.	Wisconsin River
310	Menasha Woodeuware Co.	H.				
310	Menasha Paper Co.		Manufacturing.	Ladysmith.	Ladysmith.	Flambeau River
311	Neenab-Menasha Water Power Co.			Menasha.		Fox River
312	Outagamie Paper Co.		Manufacturing.	Kaukauna.	Kaukauna.	Lower Fox River
313	Rhineland Paper Co.			Oneida County.		Wisconsin River
314	Stang, A. H., Co.	G.	Lighting.	Merrill.	Merrill.	
315	Stewart, Alex., & Krause, R. L., Lumber Co.			Lower Grandfather Falls.		Wisconsin River
316	Do.			Wausau.		do.
317	Thilmany Pulp & Paper Co.	G.	Manufacturing.	Kaukauna.	Kaukauna.	Fox River
318	Tomahawk Paper & Pulp Co.		do.	Tomahawk.	Bradley.	Wisconsin River
319	Union Bag & Paper Co.	G.	do.	Kaukauna.	Kaukauna.	Fox River
320	Valley Mill & Mercantile Co.		do.	Little Chute.	Little Chute.	do.
321	Wausau Paper Mills Co.		do.	Brokaw.	Brokaw.	Wisconsin River
322	Whiting-Plover Paper Co.	G.	do.	Plover.	Plover.	Wisconsin and Plover Rivers.
323	Wisconsin River Pulp & Paper Co.			Stevens Point.		Wisconsin River
324	Wisconsin Tissue Paper Co.	G.	Manufacturing.	Appleton.	Appleton.	Fox River

## WYOMING.

## A.—PUBLIC UTILITY PLANTS.

1	Afton Electric Co.	GD.	Afton.	Afton.	Afton.	Clear Creek.
	Amalgamated Copper Co.	H.				
2	Diamond Coal & Coke Co.	GD.	Diamondville and Oakley.	Diamondville.	Diamondville.	
3	Buffalo Manufacturing Co.	GD.	Buffalo.	Buffalo.	Buffalo.	
4	Cambria Fuel Co. of Wyoming.	HGD.			S. 29, T. 46 N., R. 61 W.	
5	Newcastle Light and Power Co.	GD.	Newcastle and Cambria.	Newcastle.	Newcastle.	
6	Douglas Electric Light Co.	GD.	Douglas.	Douglas.	Douglas.	
7	Evanston Electric Light Co.	GD.	Evanston.	Evanston.	Evanston.	
	Federal Light & Traction Co.	H.				
8	Rawlins Electric Light & Fuel Co.	GD.	Rawlins.	Rawlins.	Rawlins.	
9	Sheridan County Electric Co.	GD.	Sheridan.	Sheridan.	Sheridan.	
10	Fort Yellowstone Light Plant (U. S. Army).	GD.	Yellowstone Park.	Yellowstone Park.		Panther Creek.
11	Do.	GD.	do.	do.		do.
12	Green River Electric Light & Power Co.	GD.	Green River.	Green River.	Green River.	
	Hendrie & Bolthoff Manufacturing & Supply Co.	H.				
13	Cowley Electric Light Co.	GD.	Cowley.	Cowley.	Cowley.	
14	Hot Springs Light & Power Co.	GD.	Thermopolis.	Thermopolis.	S. 1, T. 42 N., R. 95 W.	Big Horn River.
15	Intermountain Railway Light & Power Co.	GD.	Laramie.	Laramie.	Laramie.	
	Kemmerer Coal Co.	H.				
16	Frontier Supply Co.	GD.	Kemmerer and Frontier.	Kemmerer.	Kemmerer.	
17	Lander Electric Light & Power Co.	GD.	Lander.	Lander.	Lander.	
18	Natrona County Electric Co.	GD.	Casper.	Casper.	Casper.	
	Penn-Wyoming Copper Co.	H.				
19	Emerson Electric Light Co.	GD.	Encampment.	Encampment.	S. 14, T. 14 N., R. 84 W.	Shoshone River.
20	Popo Agie Light & Power Co.	GD.	Riverton.	Riverton.	Riverton.	
21	Saratoga Light, Heat & Power Co.	GD.	Saratoga.	Saratoga.	Saratoga.	
22	Shoshone Electric Light & Power Co.	GD.	Cody.	Cody.	S. 25, T. 53 N., R. 101 W.	
23	Shoshoni Power & Irrigation Co.	D.	Shoshoni.			
24	Union Pacific Coal Co.	GD.	Cumberland.	Cumberland.	Cumberland.	
25	Do.	GD.	Hanna.	Hanna.	Hanna.	
26	Do.	GD.	Rock Springs and Reliance.	Rock Springs.	Rock Springs.	
	Western Light & Power Co.	H.				
27	Cheyenne Light, Fuel & Power Co.	GD.	Cheyenne and Fort Russell.	Cheyenne.	Cheyenne.	
28	Wyoming Electric Light Improvement Co.	GD.	Worland.	Worland.	Worland.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## WISCONSIN—Continued.

## C.—ALL OTHER PLANTS—Continued.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
293		2,800								
294			800	925		600			Walworth Lighting Co.	O.
295		6,100	2,250	900						M. Mc.
296	Private	6,500	900	300		750				C.
297	Do.	4,000				3,000				C.
										C. O.
298	Do.		400	80		25				C.
299	Do.	210	450	380						C.
300										M.
301										
302		13,450								M.
303										M. O.
304										M.
305										M.
306										
307	Private	600								C.
308	Do.	4,000								C.
309	Do.	5,000				550			Wausau Sulphate Fiber Co.	C. O.
310	Do.	2,600	1,850		900					C.
311		3,000								O.
312		2,250								C.
313		4,137								O.
314	Private		1,700	1,500		160				C.
315		500								O.
316										O.
317	Private	600	2,000	2,000		1,200				C.
318	Do.	1,243	750	230						C. O.
319	Do.	1,610				65				C.
320		40								C.
321		4,756	1,700	600						C. O.
322	Private	1,900	700	1,070		500				C. O.
323		5,300								
324	Private	150	300	400		250			Wisconsin Traction, Lighting, Heating & Power Co.	O.
										C.
	Total, C.	74,496	13,800	8,385	900	7,100				
	Grand total.	233,569	104,700	199,734	9,393	239,004				

## WYOMING.

## A.—PUBLIC UTILITY PLANTS.

1	Forest	140				60	\$0.11 - \$0.10			F. Mc.
2			220	275		152				Mc.
3		100	100	100		125				Mc.
4			500	670		500				C.
5	Private			100		75	.15 - .075	\$0.15 - \$0.075		Mc.
6			450	(330)		200				Mc.
7			450	350		355				Mc. C.
8			550	700		550				M. Mc.
9	Private		1,352	3,125		2,500				M. Mc. O.
10	Government	600				450	.05	.05		C.
11	Do.	224				100				C.
12			600	300		300	.08	.055	West Alkali Manufacturing Co.	Mc. C.
13					20	15				Mc.
14	Private	400	200	200		350	.115 - .06			Mc. C.
15			1,136	700		525				M. Mc.
16				225		70				Mc.
17	Private		375	285		175	.20 - .11	.06 - .01		Mc. C.
18			900	650		425	.04	.04 - .02		M. Mc. C.
19	Private	500	600	670		475	.15	.075		Mc. C.
20						62½				C.
21			75	75		50				Mc.
22		400				200				Mc. C.
23										Mc.
24	Private		1,800	150		200				Mc. C.
25				200		220				Mc. C.
26	Private		2,800	3,550		1,075	.14 - .03	.06 - .04		Mc. C.
27			1,661	1,565		1,900				M. Mc.
28			160	125		50				Mc.
	Total, A.	2,364	13,929	14,345	20	11,160				

TABLE 55.—STATISTICS OF POWER DEVELOPMENTS, PUBLIC UTILITY,

**WYOMING**—Continued.

## B.—MUNICIPAL PLANTS.

No.	Name of parent company and of subsidiaries or lessors.	Character of company.	Market supplied.	Name of plant.	Location.	Stream utilized.
29		G.D.	Basin	Basin	Basin	
30		G.D.	Dayton	Dayton	S. 32, T. 57 N., R. 86 W.	Tongue River
31		G.D.	Wheatland	Wheatland	Wheatland	

## C.—ALL OTHER PLANTS.

32	Jordan, Henry		Flour mill	Manderson	Manderson	
33	Owl Creek Coal Co.		Mining	Gebo	Gebo	
34	Rosin Coal Co.		do.	Lost Spring	S. 33, T. 33 N., R. 67 W.	



## MUNICIPAL, AND INDUSTRIAL, BY STATIONS AND BY STATES, 1915—Continued.

## WYOMING—Continued.

## B.—MUNICIPAL PLANTS.

No.	Status of land occupied.	Horse-power of water wheels.	Horse-power of boilers.	Horse-power of steam engines.	Horse-power of gas engines.	KVA rating of generators.	Lighting rate per kilowatt-hour or lamp-hour.	Power rate per kilowatt-hour or horsepower year.	Purchases power from—	Source of information.
29	.....	.....	235	235	.....	150	.....	.....	.....	Me. C.
30	.....	40	.....	.....	36	17	.....	.....	.....	Mc. C.
31	.....	.....	.....	100	.....	60	\$0.15	\$0.15	.....	C.
	Total, B.....	40	235	335	36	227	.....	.....	.....	

## C.—ALL OTHER PLANTS.

32	Private.....	140	.....	.....	.....	.....	.....	.....	.....	C.
33	.....	.....	950	200	.....	272½	.....	.....	.....	C.
34	.....	.....	.....	.....	.....	100	.....	.....	.....	C.
	Total, C.....	140	950	200	.....	272½	.....	.....	.....	
	Grand total. ....	2,544	15,114	14,880	56	11,759	.....	.....	.....	

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estate. Doc. 316)

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for 2 weeks.

1925

156468<sub>s-2432</sub>





37°





U.S. DEPT. OF AGRICULTURE - FOREST SERVICE  
HENRY S. GRAVES, FORESTER

# HYDRO-ELECTRIC TRANSMISSION SYSTEMS OF CALIFORNIA

INCLUDING EXTENSIONS INTO SOUTHERN OREGON  
AND WESTERN NEVADA

SCALE OF MILES  
0 10 20 30 40 50

## LEGEND.

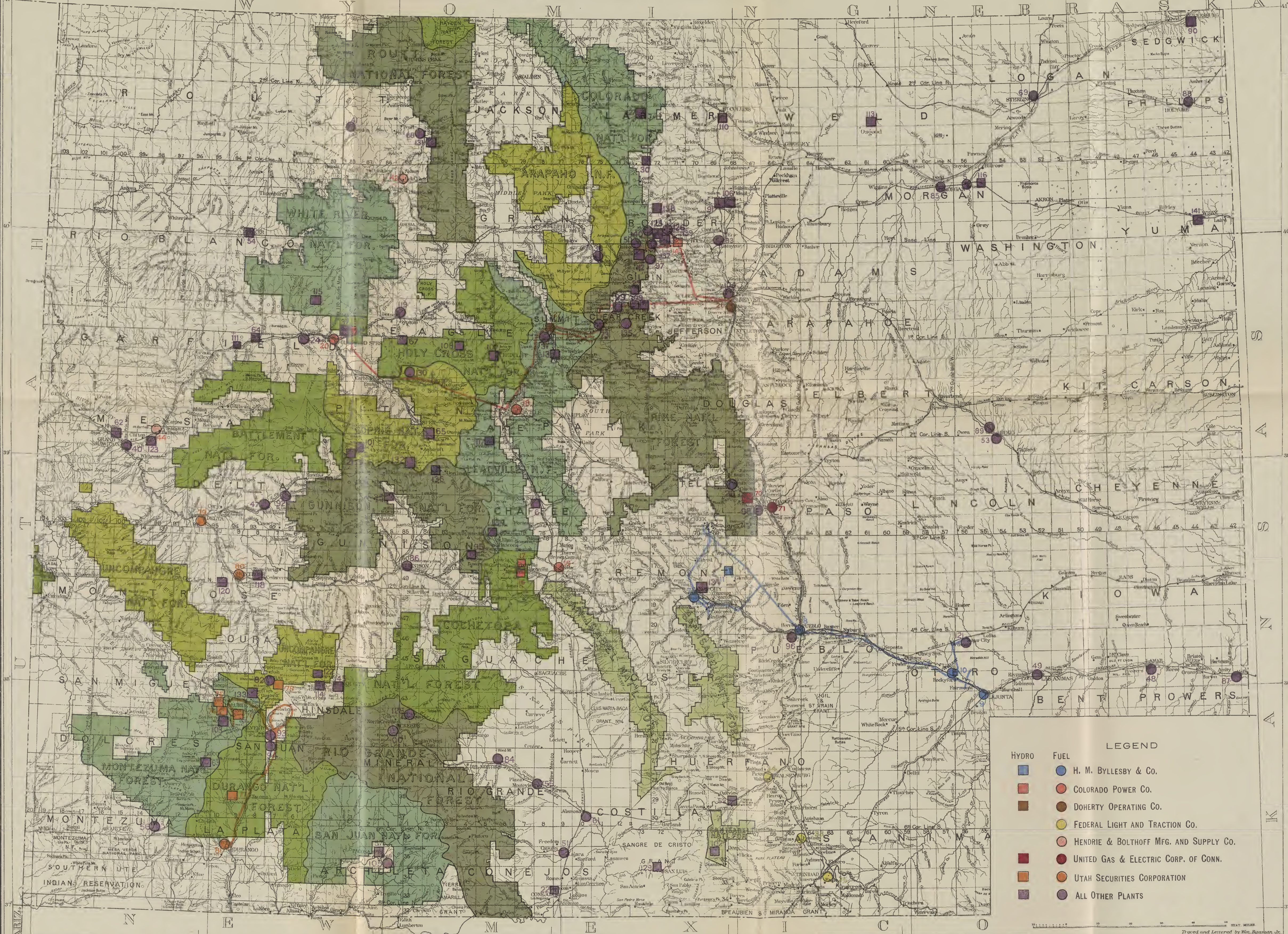
HYDRO	FUEL	SYSTEM	HYDRO	FUEL	SYSTEM
■	●	③ H. M. Byllesby & Company.	■	●	②⑤ San Antonio Water Company.
■	●	① California-Oregon Power Company.	■	●	①⑤ San Joaquin Light & Power Corporation.
■	●	⑨ California Telephone & Light Company.	■	●	⑧ Snow Mountain Water & Power Company.
■	●	①⑦ Coast Counties Gas & Electric Company.	■	●	②② Southern California Edison Company.
■	●	②④ Holton Power Company.	■	●	⑦ Stone & Webster, Management Association.
■	●	①⑥ Mariposa Commercial & Mining Company.	■	●	①④ Tuolumne Electric Company.
■	●	①⑨ Mt. Whitney Power & Electric Company.	■	●	United Properties Company of California.
■	●	①③ Nevada-California Power Company.	■	●	United Railways Investment Company.
■	●	② Northern California Power Company.	■	●	①⑧ Coast Valleys Gas & Electric Company.
■	●	⑤ Oro Electric Corporation.	■	●	⑩ Sierra & San Francisco Power Company.
■	●	④ Pacific Gas & Electric Company.	■	●	①① Utica Gold Mining & Hobart Estate Company.
■	●	②⑦ Pacific Lighting Corporation.	■	●	⑥ Western Power Company.
■	●	②⑦ Pacific Light & Power Corporation.	■	●	①④a Yosemite Power Company.
■	●	②③ Ventura County Power Company.	■	●	②① City of Los Angeles.
■	●	①② Pacific Power Company.			







# STATE OF COLORADO



**LEGEND**

<b>HYDRO</b>	<b>FUEL</b>
	H. M. BYLESBY & Co.
	COLORADO POWER Co.
	DOHERTY OPERATING Co.
	FEDERAL LIGHT AND TRACTION Co.
	HENDRIE & BOLTHOFF MFG. AND SUPPLY Co.
	UNITED GAS & ELECTRIC CORP. OF CONN.
	UTAH SECURITIES CORPORATION
	ALL OTHER PLANTS





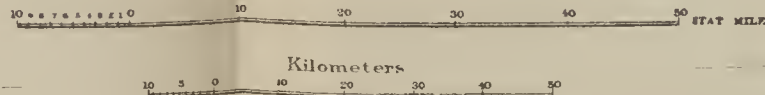


CANADA

DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
CLAY TALLMAN, COMMISSIONER.

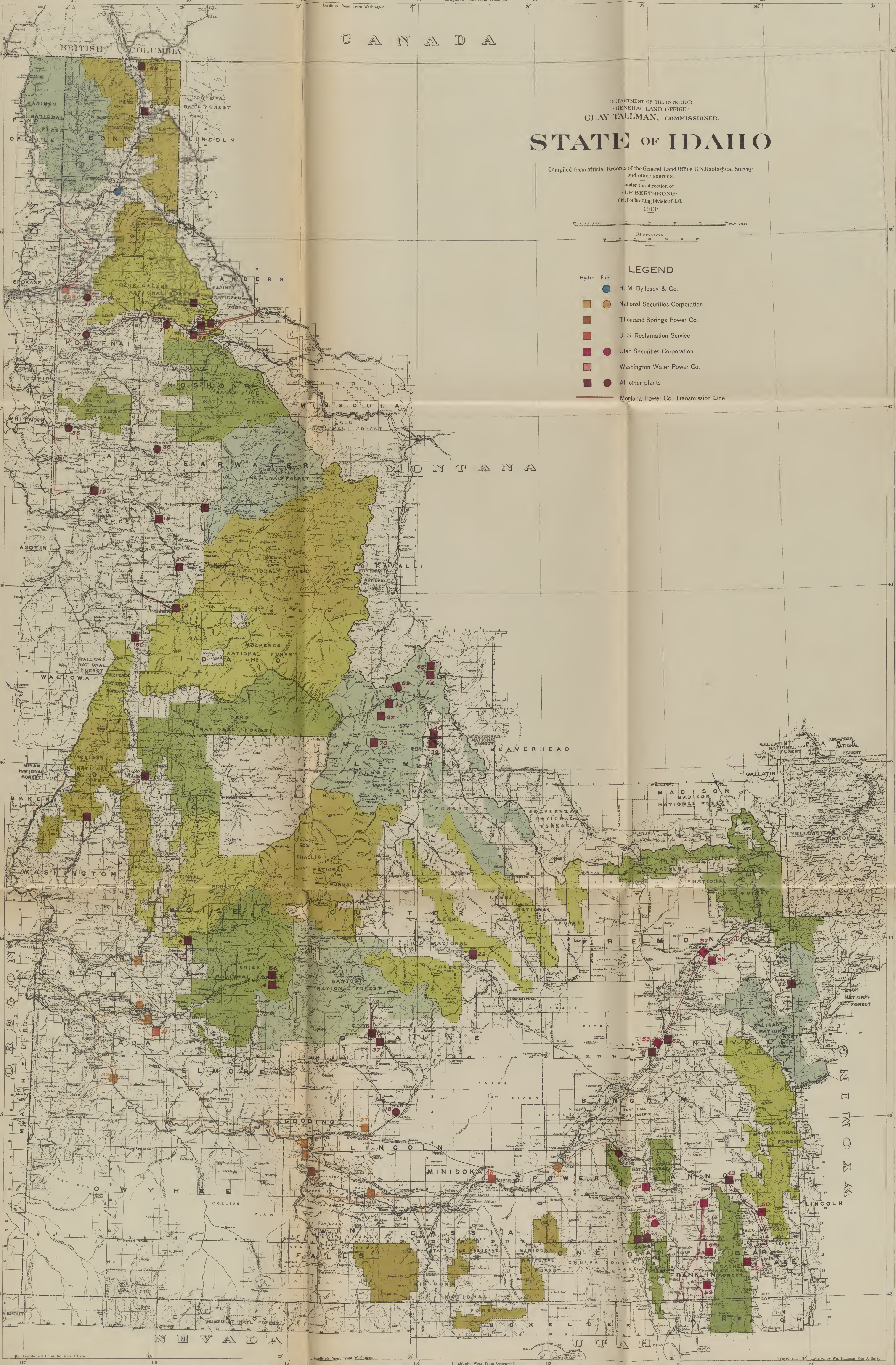
STATE OF IDAHO

Compiled from official Records of the General Land Office U.S. Geological Survey  
and other sources.  
under the direction of  
J. P. BERTHROG,  
Chief of Drafting Division G.L.O.  
1913.



LEGEND

- Hydro Fuel
- H. M. Bylesby & Co.
  - National Securities Corporation
  - Thousand Springs Power Co.
  - U. S. Reclamation Service
  - Utah Securities Corporation
  - Washington Water Power Co.
  - All other plants
  - Montana Power Co. Transmission Line











- LEGEND**
- Hydro Fuel
  - Amalgamated Copper Co.
  - H. M. Byllesby & Co.
  - Clark-Missoula Power Co.
  - Missoula Light & Water Co.
  - Montana Power Co.
  - All other plants

DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
FRED DENNETT, COMMISSIONER.

**STATE OF MONTANA.**

Compiled from the official Records of the General Land Office and other sources  
under the direction of  
L. P. BERTHONG  
Chief of Drafting Division G.L.O.  
1911

— STATUTE MILES —







DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
FRED DENNETT, COMMISSIONER.

# STATE of NEBRASKA

Compiled from the official Records of the General Land Office and other sources  
under the direction of  
L. P. BERTHONG  
Chief of Drafting Division G.L.O.  
1908



## LEGEND

- Hydro
- Fuel
- Continental Gas & Electric Corporation
- Doherty Operating Company
- Middle West Utilities Company
- Union Company of Omaha
- All other plants





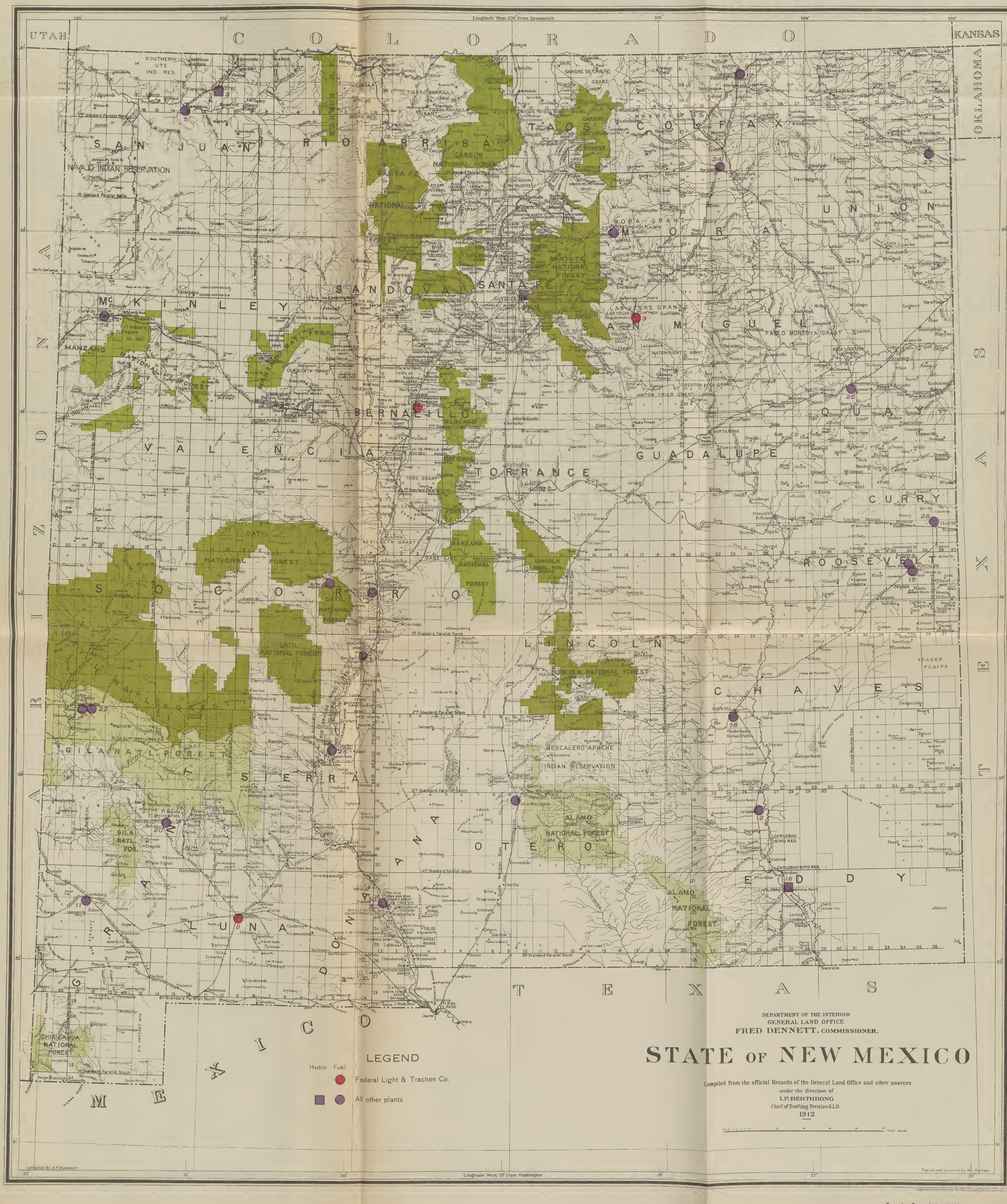












# STATE OF NEW MEXICO

Compiled from the official Records of the General Land Office and other sources  
under the direction of  
I.P. BERTHRONG  
Chief of Drafting Division G.L.O.  
1912

DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
FRED DENNETT, COMMISSIONER.

- LEGEND
- Hydro Fuel
  - Federal Light & Traction Co.
  - All other plants







DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
FRED DENNETT, COMMISSIONER.  
**STATE OF NORTH DAKOTA**

Compiled from the official Records of the General Land Office and other sources  
under the direction of  
I. P. BERTHRONG  
Chief of Drafting Division G.L.O.  
1910

LEGEND  
HYDRO FUEL  
H.M. BYLLESBY AND COMPANY  
ALL OTHER PLANTS









DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
FRED DENNETT, COMMISSIONER.

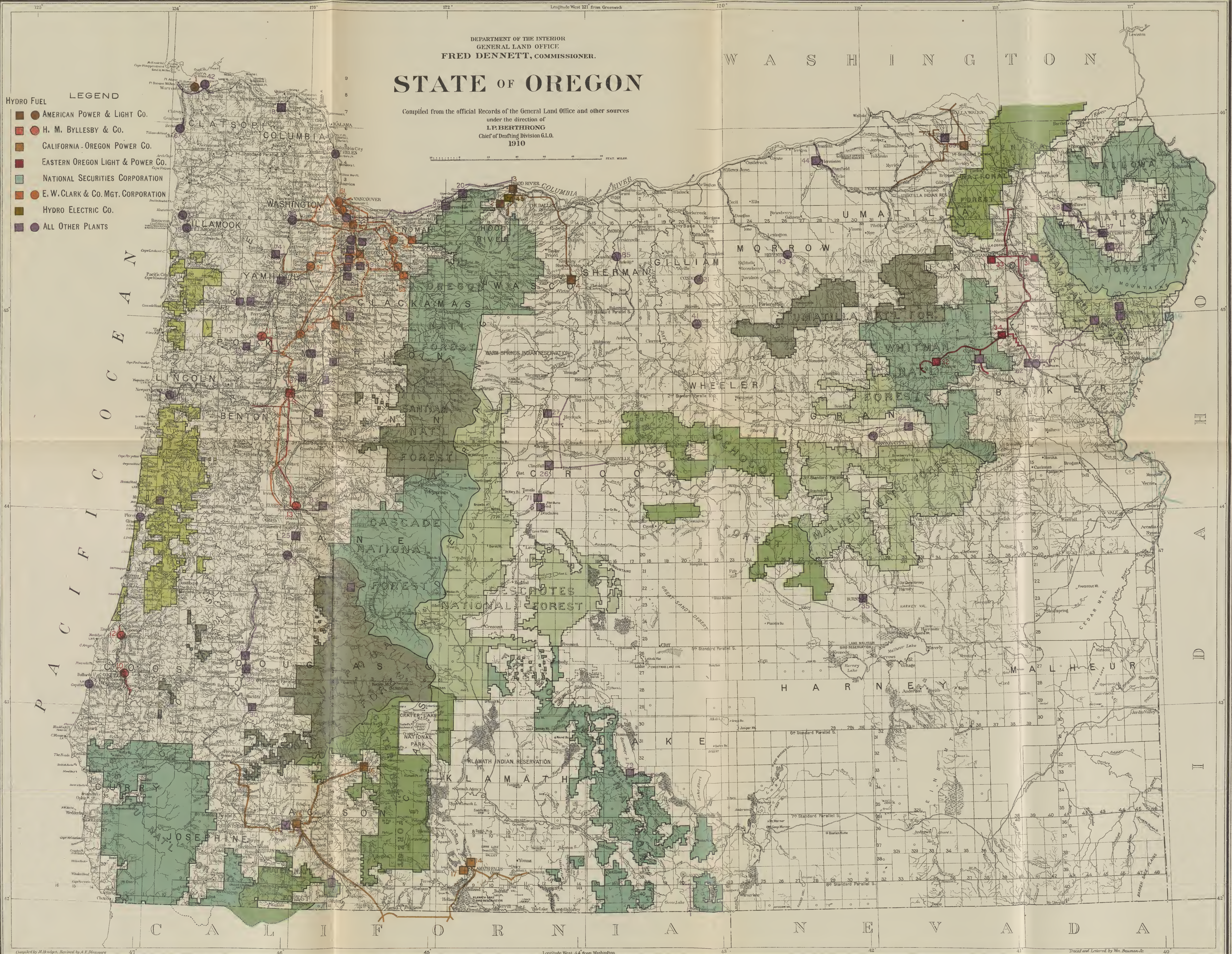
# STATE OF OREGON

Compiled from the official Records of the General Land Office and other sources  
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I. P. BERTHRONG  
Chief of Drafting Division G.L.O.  
1910

## HYDRO FUEL

## LEGEND

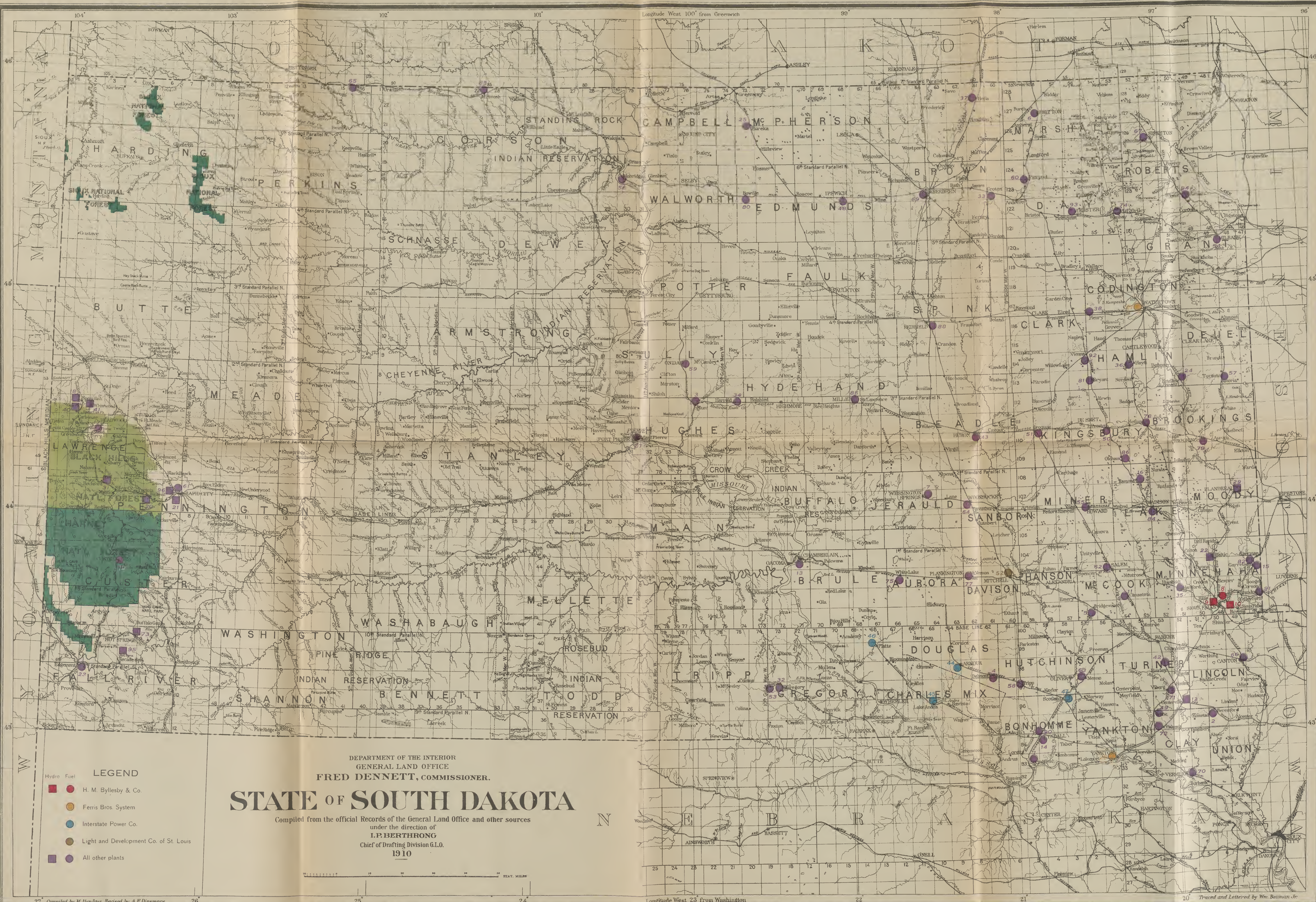
- AMERICAN POWER & LIGHT CO.
- H. M. BYLLESBY & CO.
- CALIFORNIA-OREGON POWER CO.
- EASTERN OREGON LIGHT & POWER CO.
- NATIONAL SECURITIES CORPORATION
- E. W. CLARK & CO. MGT. CORPORATION
- HYDRO ELECTRIC CO.
- ALL OTHER PLANTS











DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
FRED DENNETT, COMMISSIONER.

# STATE OF SOUTH DAKOTA

Compiled from the official Records of the General Land Office and other sources  
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I. P. BERTHROG  
Chief of Drafting Division G.L.O.  
1910

- LEGEND**
- Hydro Fuel
  - H. M. Bylesby & Co.
  - Ferris Bros. System
  - Interstate Power Co.
  - Light and Development Co. of St. Louis
  - All other plants







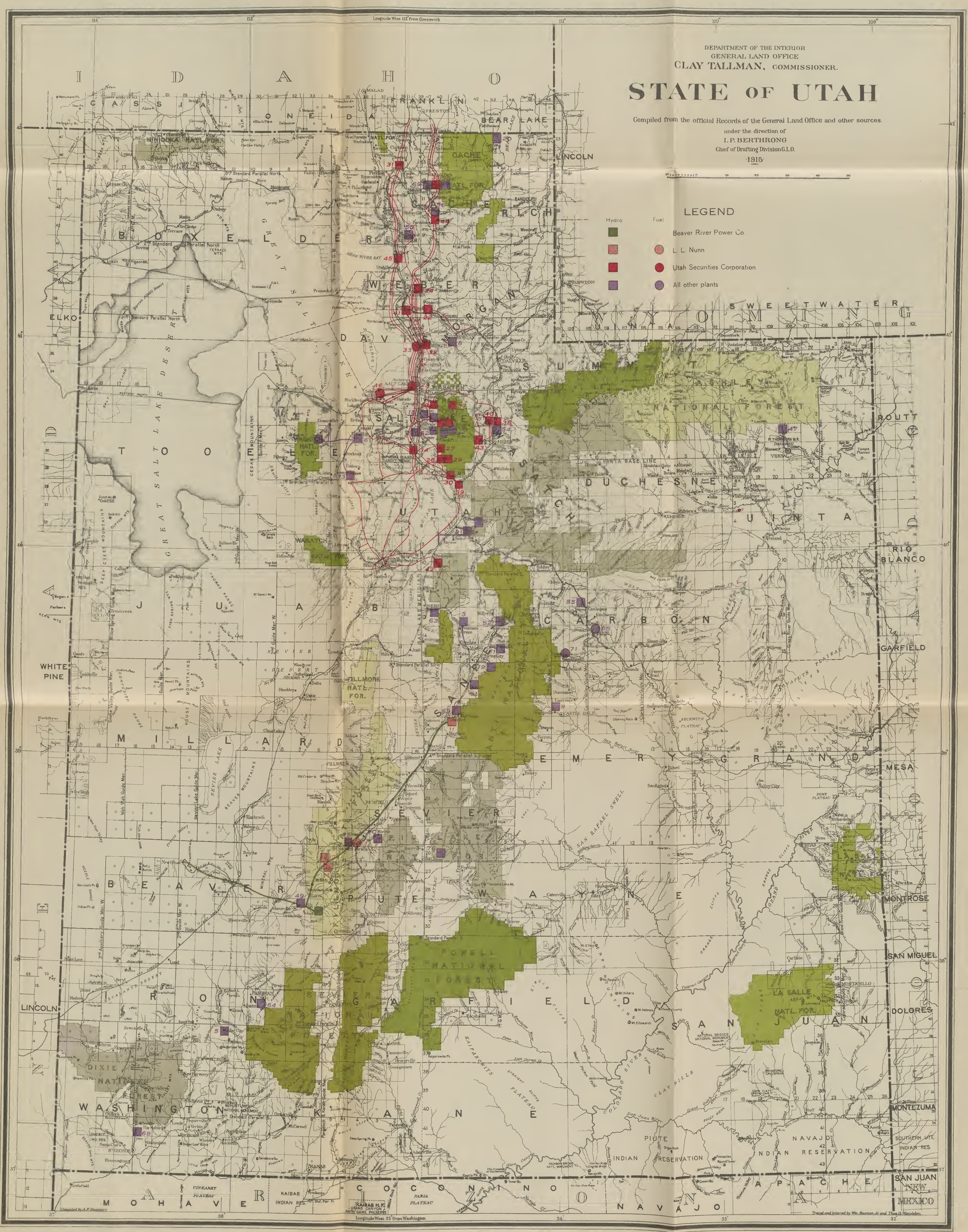
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
CLAY TALLMAN, COMMISSIONER.

# STATE of UTAH

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under the direction of  
I. P. BERTHRONG  
Chief of Drafting Division G.L.O.  
1915

## LEGEND

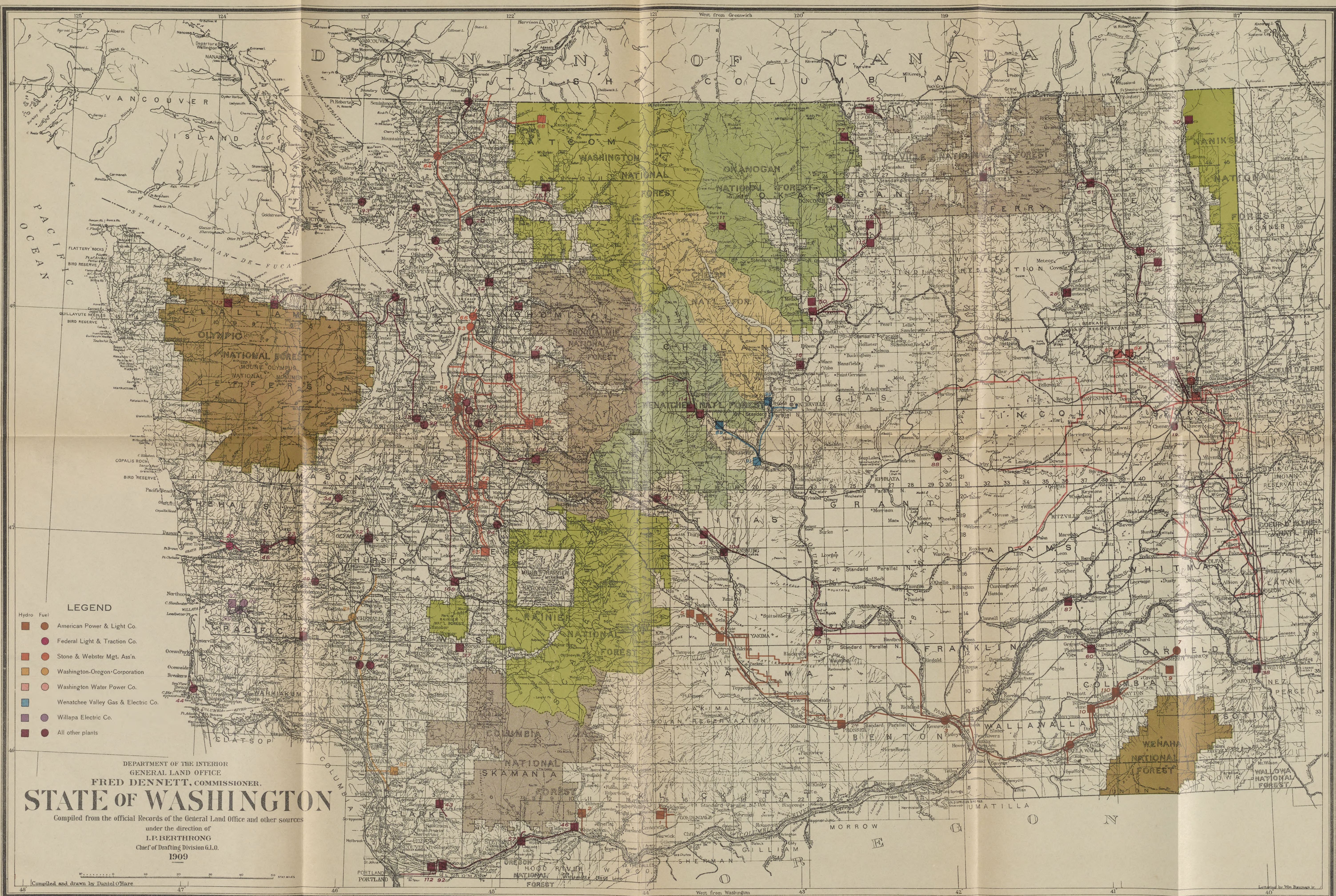
- |       |                             |
|-------|-----------------------------|
| Hydro | Fuel                        |
|       | Beaver River Power Co.      |
|       | L. L. Nunn                  |
|       | Utah Securities Corporation |
|       | All other plants            |











LEGEND

Hydro Fuel

- American Power & Light Co.
- Federal Light & Traction Co.
- Stone & Webster Mgt. Ass'n.
- Washington-Oregon Corporation
- Washington Water Power Co.
- Wenatchee Valley Gas & Electric Co.
- Willapa Electric Co.
- All other plants

DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
FRED DENNETT, COMMISSIONER.

**STATE OF WASHINGTON**

Compiled from the official Records of the General Land Office and other sources  
under the direction of  
I.P. BERTHROG  
Chief of Drafting Division G.L.O.  
1909

Compiled and drawn by Daniel O'Hare







# STATE OF WYOMING.

Scale: 1 inch = 12 Miles

HYDRO FUEL

LEGEND

- FEDERAL LIGHT AND TRACTION CO.
- HENDRIE & BOLTHOFF MFG. AND SUPPLY CO.
- WESTERN LIGHT & POWER CO.
- ALL OTHER PLANTS

